

HOUSE & GARDEN'S BOOK OF BUILDING

1953

40 HOUSES

& PLANS

REMODELING,

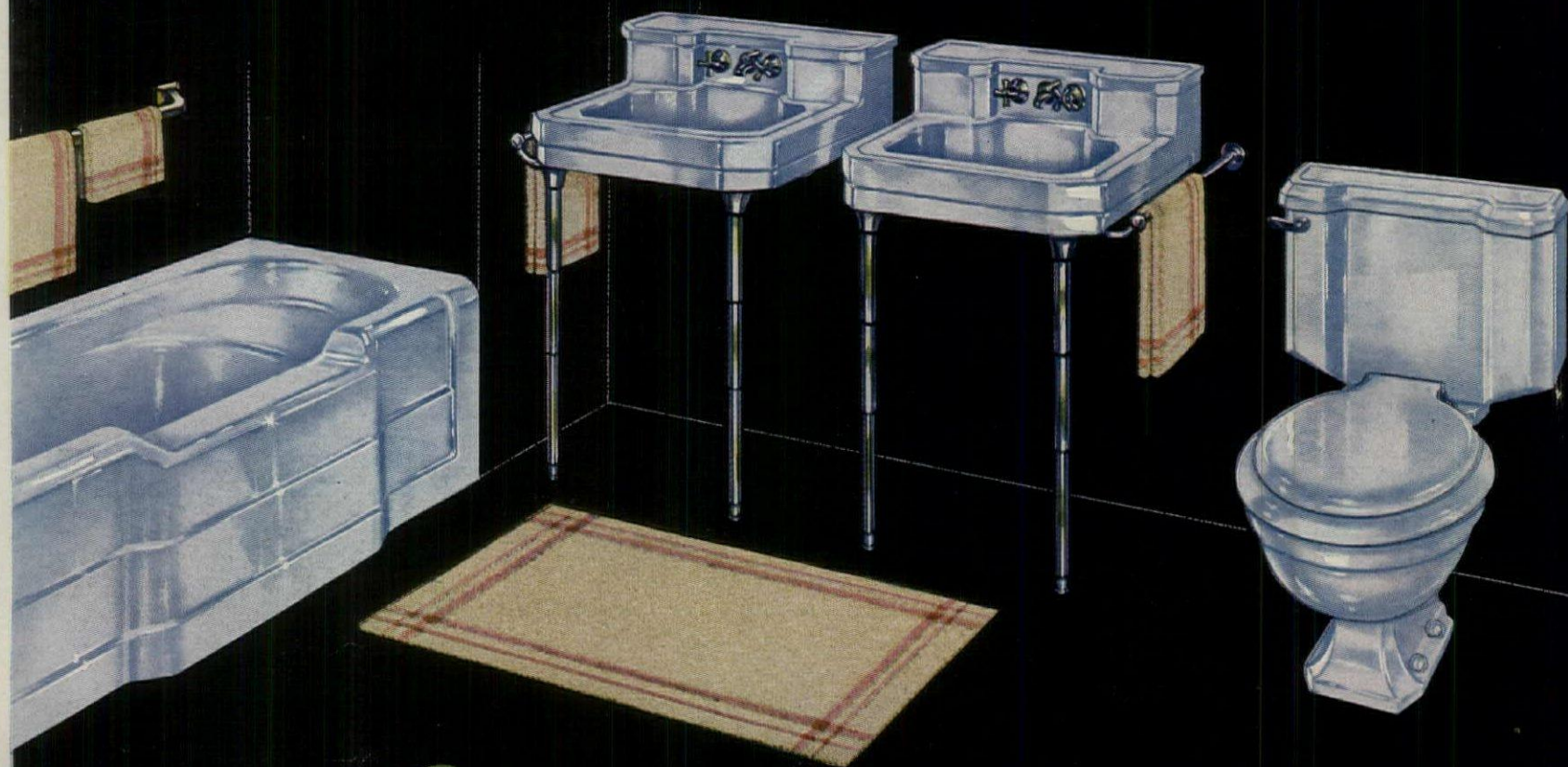
MAINTENANCE



IN CANADA \$1.25

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ELJER



Lustrous beauty **TO LAST A LIFETIME**

For a *beautiful* bathroom, combining color and styling with easy, immaculate housekeeping, more and more builders and architects are recommending Eljer Plumbing Fixtures. Whether you choose color, in lovely pastel shades, or Eljer's snow-white, the finish *cannot* fade, become dull or lifeless. Bathtubs have an extra-thick coating that is fused to a *rugged, rigid, cast-iron base*. Vitreous China Lavatories and Closet Combinations resist stains and are impervious to all ordinary acids . . . because they are *real china*. Eljer Faucets, too, are quality-built for long, trouble-free service, and all wearing parts are easily renewable. For free booklet, write to Eljer Co., Box 192, Ford City, Pennsylvania, and write Eljer Plumbing Fixtures into *your* plans.



Eljer's Legation Bath features an integral end-seat and a wide, front rim-seat, only 16 inches high . . . easy to step in or out and ideal for bathing children. Bottom is flat for safety's sake . . . and every part of this bath is within easy reach for cleaning.



Only two changes: G-E Light Conditioning—and the lady!

PLEASE look again—the only thing new about the kitchen on the right is General Electric Light Conditioning. But it's made a new woman of the lady!

No more working in her own light. No more shadows to fool her. No more strain on eyes and nerves. In her Light Conditioned kitchen she's got plenty of bright and cheerful light. And right where she needs it—

at *each* work area!

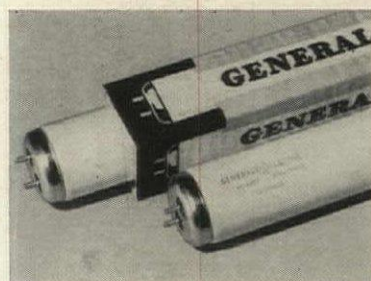
In contrast to the single ceiling fixture on the left, the Light Conditioning kitchen recipe she's using calls for *four* strategically located light sources—in the ceiling, over the range, over the sink and under the cabinets. It's easy to see into pots and pans. Easy to measure ingredients. Easy to see whether dishes are clean. This Light Conditioning recipe specifies:

IN CEILING—at least three 20-watt or two 25-watt fluorescent lamps, or a combination of 22-watt and 32-watt circline lamps.

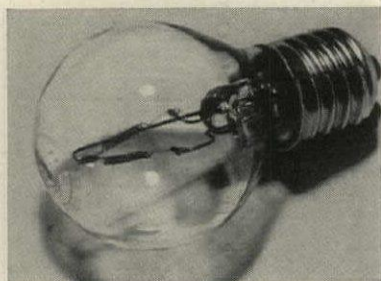
OVER RANGE—a 25 or 40-watt fluorescent.

OVER SINK—two 25-watt fluorescent lamps.

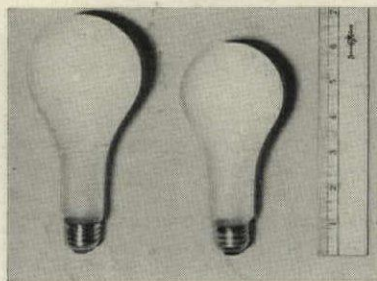
UNDER CABINETS—use 20-watt fluorescent lamp for each 25" to 30" of work counter.



NOW, MORE VALUE with General Electric fluorescent lamps! Recent improvements make them more efficient, longer lasting, with better color and uniformity, less end-blackening. 40-watt, \$1.05 plus tax.



NEW OZONE LAMP removes odors, freshens air. For use only in special fixtures made by a number of manufacturers in many attractive styles. Ask your General Electric lamp dealer for more information.



COMPARE new, smaller G-E 15-watt lamp (right) with old size (left). For enclosing globe fixture in kitchen ceiling, small 150-watt G-E Kitchen-Lite (with new aluminum base) 20¢ plus tax.



FREE RECIPE BOOKLET. 22 Light Conditioning recipes. Specifies bulbs, types of fixtures, measurements. Write Lamp Div., General Electric Company, Department 166-HG, Nela Park, Cleveland 12, Ohio.

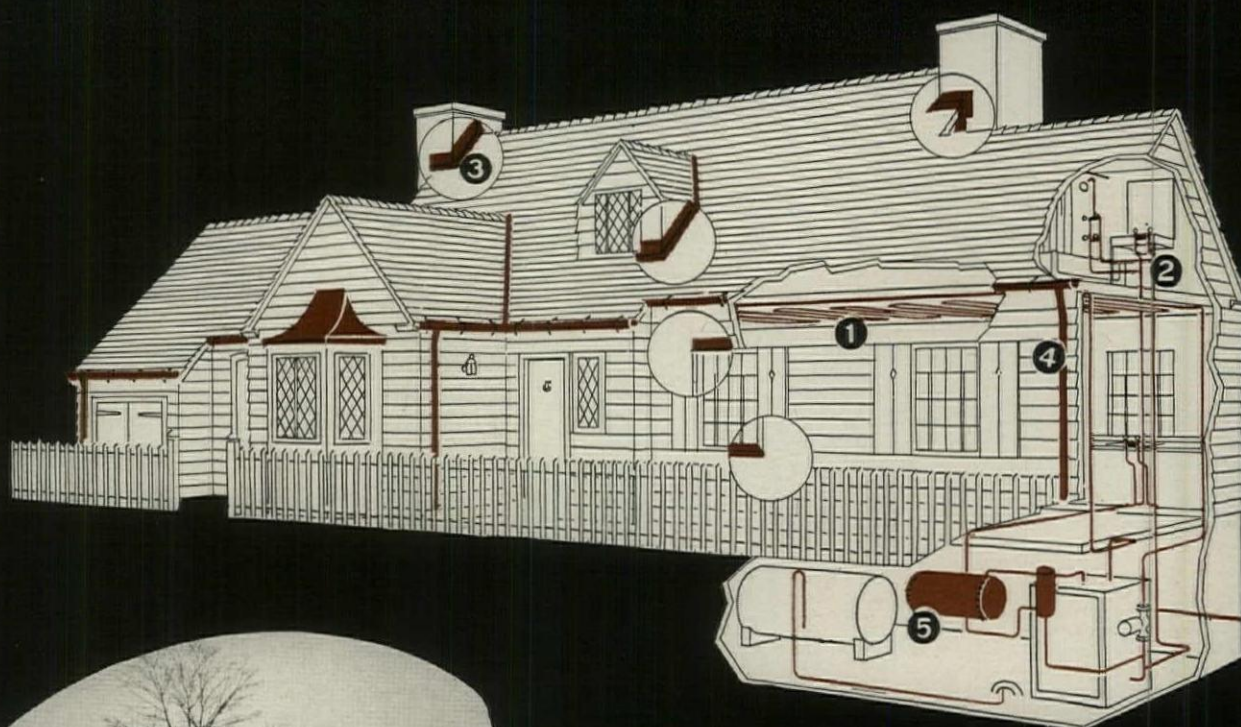
You can put your confidence in—

GENERAL  ELECTRIC

FOR ENDURING, TROUBLE-FREE CONSTRUCTION

When you Build or Remodel, plan on

REVERE COPPER



- ① ... for Radiant Panel Heating Systems
- ② ... for Plumbing lines, waste lines and vent stacks
- ③ ... for Roof and Window Flashing and Valleys
- ④ ... for Gutters and Downspouts
- ⑤ ... for Hot Water Storage Tanks

There is not another single metal that has *all* the characteristics of copper. That it endures has been proved through centuries of use. The oldest copper roof in America is over two centuries old. Copper pipe over 5,500 years old, still serviceable, was discovered in Egypt. One big reason copper lasts so long is because it is non-rusting. No wonder it has become so popular for radiant panel heating. Once installed it can be forgotten. Then, too, copper is easy to work with, solder, form. You may think that because copper has so many good qualities that it is necessarily expensive. However, the slightly higher material cost of copper is usually offset by lower installation costs and is always cheaper per year of service when amortized over the years.

So whether you plan to buy, build or remodel it will pay you to look into Revere Building Products from every angle. They make your home better to live in, better to own, rent or sell. They are handled by leading distributors throughout the country. See your architect for plans, your building contractor for economical construction and your roofing, and plumbing and heating contractors for satisfactory trouble-free installation. It will pay you in the

long run and result in a more satisfactory and economical job all around.

For more detailed information regarding the many uses of copper and copper-base alloys in your home, send for free 24-page illustrated booklet, "Your Dream Home."

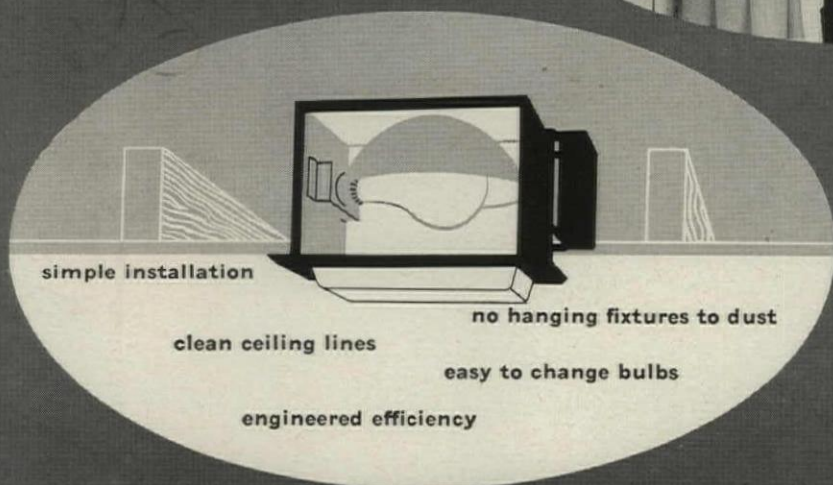
REVERE

COPPER AND BRASS INCORPORATED

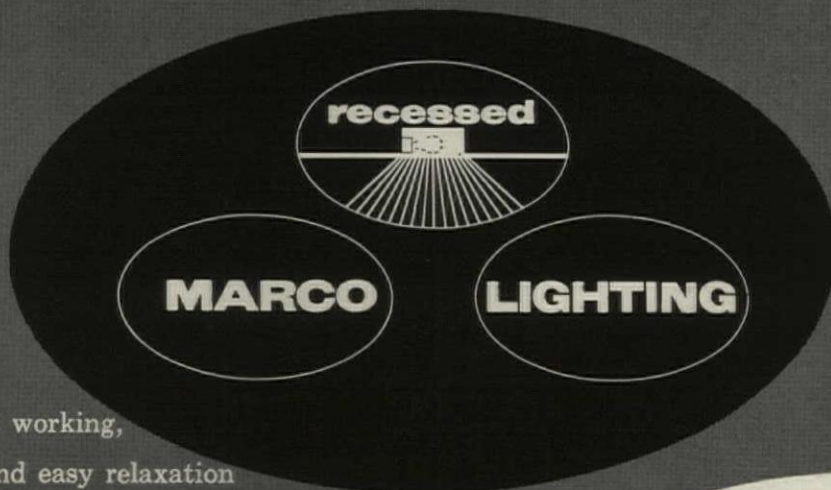
Founded by Paul Revere in 1801
230 Park Avenue, New York 17, N. Y.

Mills: Baltimore, Md.; Chicago and Clinton, Ill.; Detroit, Mich.;
Los Angeles and Riverside, Calif.; New Bedford, Mass.; Rome, N. Y.—
Sales Offices in Principal Cities, Distributors Everywhere.

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LIGHT YOUR WAY TO HAPPIER LIVING



for pleasant working,
happy play and easy relaxation
recessed fixtures give your home
scientifically perfected lighting that
keeps your ceiling line clean and modern,
catches no dust, needs no cleaning.

Marco engineers have developed
a complete line of recessed lighting
fixtures that meet the requirements of every
room in your home. A brochure has been
prepared to help you plan proper lighting for your home.

send me the brochure on MARCO LIGHTING
ideas and lighting fixtures.

name _____

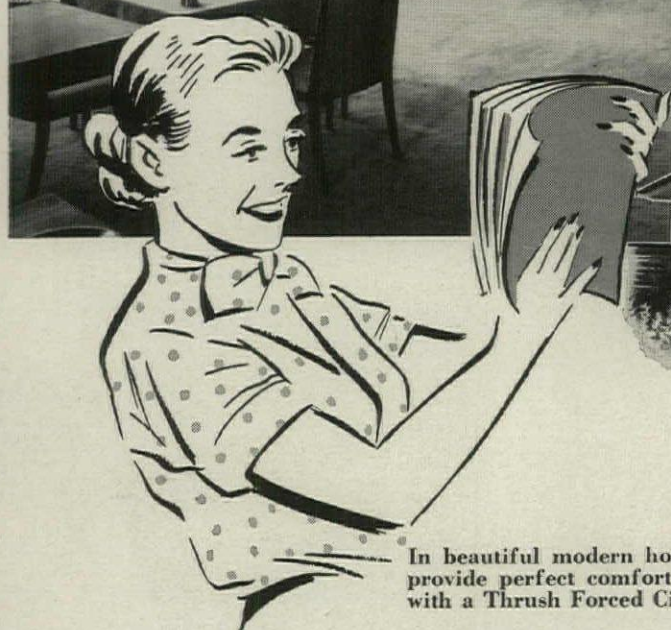
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city and zone _____

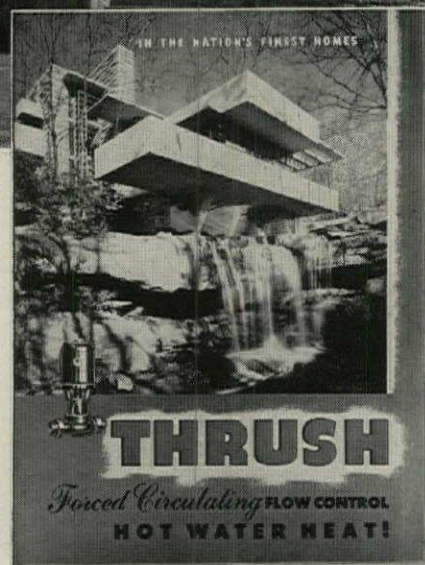
mail to:
MARVIN MANUFACTURING COMPANY
731 WEST 14th STREET, CHICAGO, ILL.
or
3071 EAST 12th STREET, L.A. 23, Calif.



Radiant Heating



In beautiful modern homes like these, invisible radiant coils provide perfect comfort and a constant flow of radiant heat with a Thrush Forced Circulating Hot Water System.



SEND FOR *Free Booklet* about **THRUSH RADIANT HEAT**

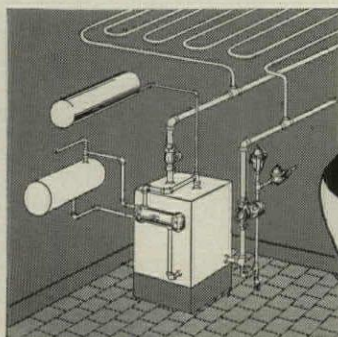
the best and most economical system
of radiant heat control ever developed

RADIANT PANEL Heat is now within the budget of the smallest home as well as the largest. Thrush Flow Control System, the finest automatic control made for radiant panel heating, is not only lower in cost for installation, but more economical in operation, too. This modern heating system with pipe coils hidden in the floor or ceiling, provides constant radiant warmth like the sun, without any noticeable variation throughout the entire heating season. Everything is completely automatic. There is no wasteful overheating, no chilling or discomfort . . . no drafts.

The Thrush Radiant Heat Control even anticipates outdoor weather changes so your home is always just right for greatest comfort at lowest cost for fuel. Best of all, you also have a plentiful supply of domestic hot water from the same boiler in summer and the whole year through. Thrush Flow Control is a forced circulating Hot Water heating system that will serve your home faithfully for many years and pay for itself many times over in the saving of fuel. You can afford Thrush Radiant Heat. Mail the coupon below and get the whole comfort story.

PLENTY OF HOT WATER FOR KITCHEN, LAUNDRY OR BATH

Think of the luxury and economy . . . plenty of hot water for every household use from the regular heating boiler, all year through. No separate domestic hot water heater to buy and install. You also save the fuel such a separate heater would burn.



Hidden coils in floors or ceilings provide continuous warmth.

Home Planners

get this Free
book!

H. A. THRUSH & COMPANY
Department HG-3, PERU, INDIANA

Please send without obligation a copy of your booklet describing Thrush Radiant Heat (Forced Circulating Hot Water Heating System).

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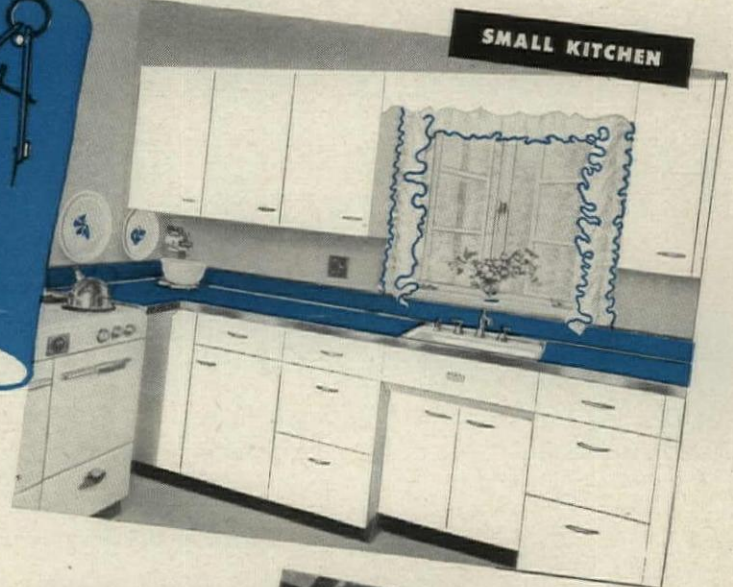
CITY

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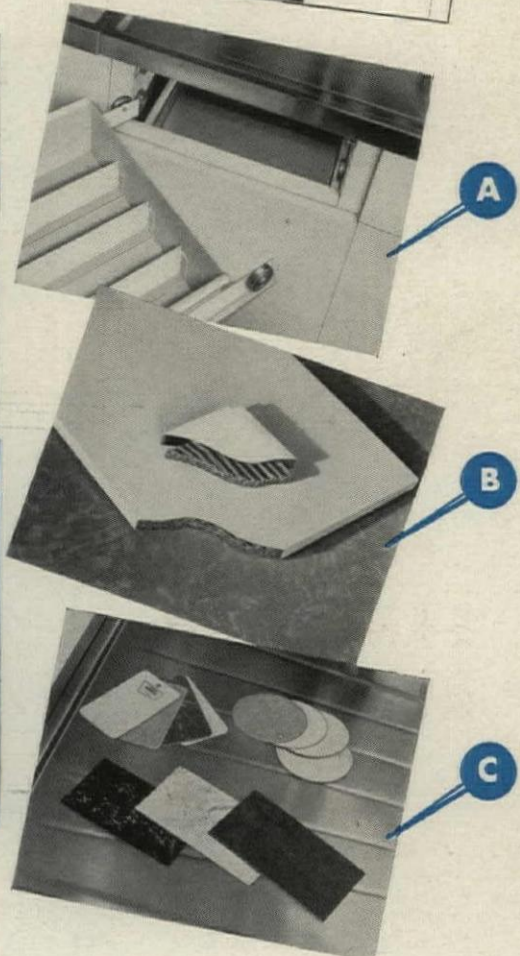
The best laid plans call for a CAPITOL Kitchen

Whether you're thinking of a large or small kitchen, it's a smart move to plan on Capitol's lustrous beauty and work-saving convenience for the room you live in most. Follow the three simple steps below with a Capitol Kitchen planning expert.



One, check your dimensions and decide on the units you need. You can select just the right combination from the more than 40 sizes of base and wall cabinets in the wide-range Capitol line. **Two,** plan on a kitchen that will give you service for many years to come. Capitol Kitchens are made of heavy-gauge, last-for-a-life-time steel with a beautiful two-coat baked enamel finish.

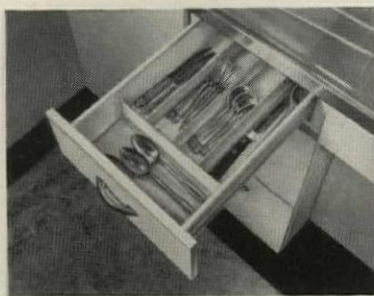
Three, be certain your kitchen is designed to make your job easier. Take a look at the practical Capitol features shown on this page. There are many more... each planned for extra efficiency and finer homemaking • So "letter in" a Capitol Kitchen on your blueprints. Then visit your nearby Capitol dealer. You'll be glad tomorrow you chose Capitol today.



- A** All drawers "float out" on smooth-acting rollers.
- B** Insulated door and drawer fronts insure quiet year-in, year-out operation.
- C** Choose from a wide range of colorful, durable base and sink cabinet tops—linoleum, formica, stainless steel, porcelain.



There's plenty of toe space at the bottom of all sink and base cabinets.



The handy, built-in cutlery tray is easy to keep spotless.

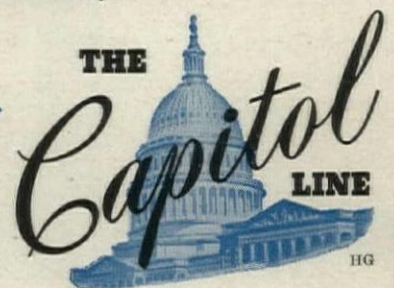
CAPITOL KITCHENS

Division of Hubeny Brothers, Inc.
ROSELLE, NEW JERSEY

Please send me the name of my local dealer and your Kitchen Planning Book for which I am enclosing 10¢ (in coin).

HERE'S
HELP ON
KITCHEN
PLANNING

Name
(PLEASE PRINT)
Street
City State



HG

CK107



View of entrance-way. Inner garden is at left.

HONEYWELL

ZONE	CONTROL
------	---------

 MAKES POSSIBLE

Ideal "Indoor Climate" For The Modern Home

Now you can have the temperature you want—in every room—with Honeywell Zone Control

Just how you can bring the feeling of outdoor spaciousness and natural beauty into the modern house is well exemplified by the handsome new home of Mr. and Mrs. Victor Hornbein in Denver, Colorado.

And it well exemplifies, too, the ideal "indoor climate" Honeywell Zone Control makes possible—in every part of the house—in the most changeable winter weather.

When developing the plans for their home, the Hornbeins saw an ordinary temperature control system wouldn't do.

As Mr. Hornbein, himself an architect, puts it, "What we wanted was a house that afforded real *comfort*—all winter long. So we divided the house into three heating zones, each with its own thermostat system."

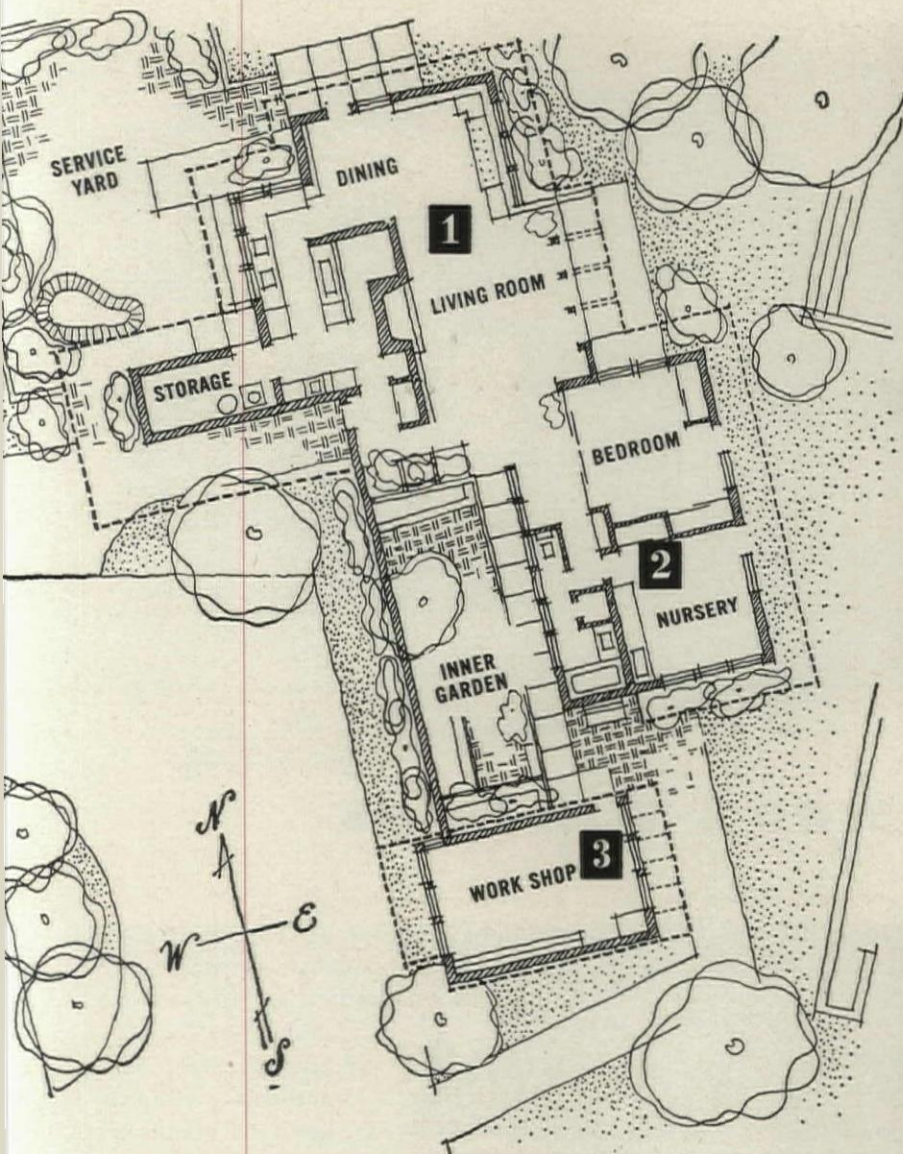
And today, with separate Honeywell thermostats in each of these zones, the Hornbeins and their guests enjoy ideal "indoor climate," in all parts of the house, no matter what the winter weather.

So talk to your architect or heating engineer about Honeywell Zone Control. Have it installed in your home—and enjoy the ideal "indoor climate" it provides.

Heating zone 1—the living-dining area

A separate thermostat is needed in this area to counteract strong winter winds that blow from the northeast—and to compensate for extra heat from the fireplace.



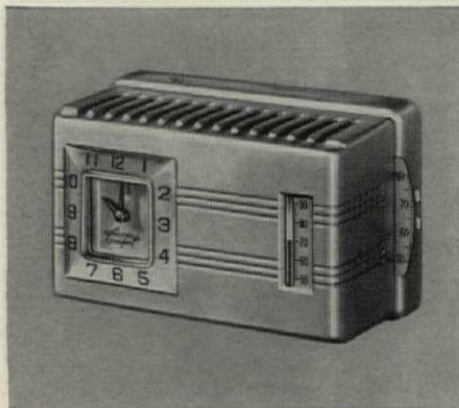


The modern look of the Hornbein home is dramatically evident in this view of the exterior. Note the generous overhang of the flat roof that shelters the small terrace. Note, too, the modernized version of French doors that open into the living room. A separate Honeywell thermostat assures wintertime comfort in the area behind these doors by compensating for heat lost through the large glass area.



The bedroom of the Hornbein's four-year-old daughter is located in heating zone 2. The varying amounts of solar heat admitted by the room's southern windows, on a day when it's alternately cloudy and bright, are easily compensated for by an individual thermostat. Thus, the room is always comfortable—even for a child playing on the floor.

HONEYWELL CLOCK THERMOSTAT



Owners say the Honeywell electric or electronic clock thermostat is wonderful because it turns *down* the heat—automatically—when you go to bed, and gives you a nice cool room to sleep in; turns *up* the heat—automatically—while you're still asleep, and your home is warm when you get up. Saves you fuel, besides! The clock thermostat is ideal for use with zone control.

MINNEAPOLIS
Honeywell



First in Controls

MINNEAPOLIS-HONEYWELL REGULATOR CO.
2906 Fourth Avenue South
Minneapolis 8, Minnesota

Gentlemen: Please send me your free Honeywell Zone Control Booklet, "Plan to Enjoy a New Concept of Living Comfort in Your Home."

Name _____

Address _____

City _____ Zone _____ State _____

dramatic beauty

for
modern
living

BEE GEE

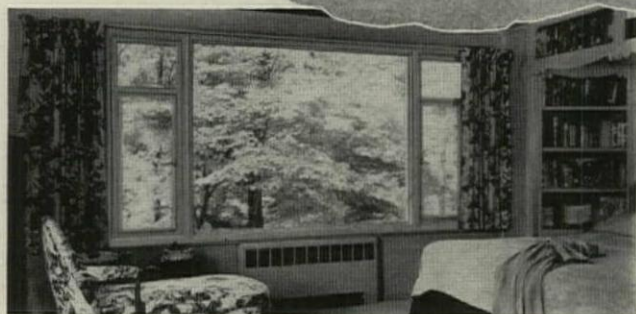
modern wood windows



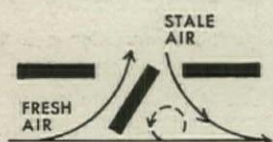
In building or remodeling architects know the easiest way to increase the charm and value of any home is "window-styling" with Bee Gee Windows. Proportioned to fit with

modern architectural trends, famous Bee Gee Windows provide an authentic styling touch for any type of construction...any kind of interior. 179

styles and sizes of all-wood casement, picture and corner picture windows, skillfully styled, crafted and detailed to bring new grace and glamor to every room in your home. And you can "Clean the Outside from the Inside".

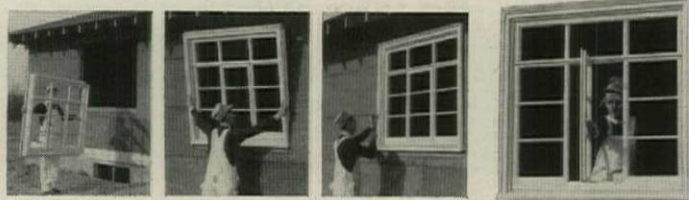


light and airy for health and comfort



Bee Gee Windows open your home to nature's air and sunlight! And Bee Gee's "Pressure Vacuum Ventilation" is scientifically engineered to pull in fresh air from any of 3 directions of wind and exhaust stale air at the same time...the only window on the market to give this truly complete room ventilation.

ease of installation spells economy



A Complete Window...Ready to Set in the Wall...Nailed in Place...Ready to Use!

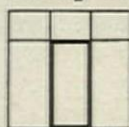
Shipped as a complete unit with glass, screen and all hardware installed at the factory.

"ribbon-styled"... long—low—beautiful!

New type construction...designed to emphasize the modern lines of ranch-type and contemporary homes, with all the warmth, character and practical advantages that only wood windows provide.



every window available in 2 styles



STYLE A



STYLE B

Style "A"—a brilliant expanse of unobstructed glass. Style "B"—the glass divided to give you long horizontal lines. Choose the style that best fits your home.

GET
YOUR
FREE
WINDOW
IDEA
BOOK

BROWN-GRAVES CO.
Dept. BB-107, Akron 1, Ohio

Please send my FREE Bee Gee Window Catalog showing modern window treatments and installations and name of my nearest Bee Gee dealer.

I am planning to: ☐ build ☐ remodel

NAME

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G-E All-Electric Kitchen only \$47²⁰* a month!

This is another "Young America" Home kitchen to be featured in model homes from coast to coast.

HOME BUILDERS everywhere will select the same G-E Kitchen, shown above, for their model "Young America" Homes—homes which they believe offer the most in attractive design, features, and *dollar-for-dollar value*. Watch for a "Young America" Home opening in your vicinity. You can have a kitchen like this *planned especially for your home*—for as little as \$47.20 a month.

***Here's how you can finance it...** In the kitchen above, the General Electric equipment—including work surfaces—can be had for as little as \$47.20 a month after small down payment. Rates and terms established by financing institutions, applied to manufacturer's recommended retail price. Enjoy these time-saving electric wonders now; pay for them over a three-year period! Other financial plans avail-

able in your locality may reduce the monthly payment under this \$47.20 price.

For details, send coupon below for *free copy* of booklet about facts for financing your kitchen if you're buying, building, or remodeling. **Here's how you can plan it...** we do more than merely provide you with all the wonderful new equipment—we help you plan and style the layout of your kitchen for maximum efficiency. Your G-E dealer can arrange a complete personal planning job for you—at no additional cost.

Take advantage of your General Electric dealer's expert advice—drop in to see him. Or,

if his name is not listed in the classified section of the phone book, fill out coupon below and mail today—we'll have a G-E retailer get in touch with you at an early date.

If you're buying or building a new home... be *sure* it has a complete G-E All-Electric Kitchen! Here's why... the cost of a modern kitchen—one of these *complete* all-electric wonders—is as little as four or five dollars extra a month. This is possible because the cost of your kitchen is included right in your regular long-term mortgage. Talk to your architect or builder about a complete G-E All-Electric Kitchen for your home.

GENERAL ELECTRIC

YOUR ALL-ELECTRIC KITCHEN INCLUDES:



G-E 9-cu-ft Refrigerator. "Space Maker" model. World-famed for dependable service.



G-E Dishwasher. Dishes automatically rinsed, washed, and dried with heat.



G-E "Speed Cooking" Range. It's fast, safe! The automatic features make grand meals easy!



G-E Disposall. Gets rid of garbage electrically! No need to see, touch, or smell garbage again!



G-E Steel Cabinets. Plenty of food-and-utensil storage space; extra work surface, too.

General Electric Co.
Box H-3-CC,
Louisville 2, Ky.

Dear Sirs:
Please send me *free* booklet. Also name of my local G-E Kitchen specialist. I understand I am under no obligation.

NAME

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Fire-Chex Shasta Snow Shadow Blend Roof Design***



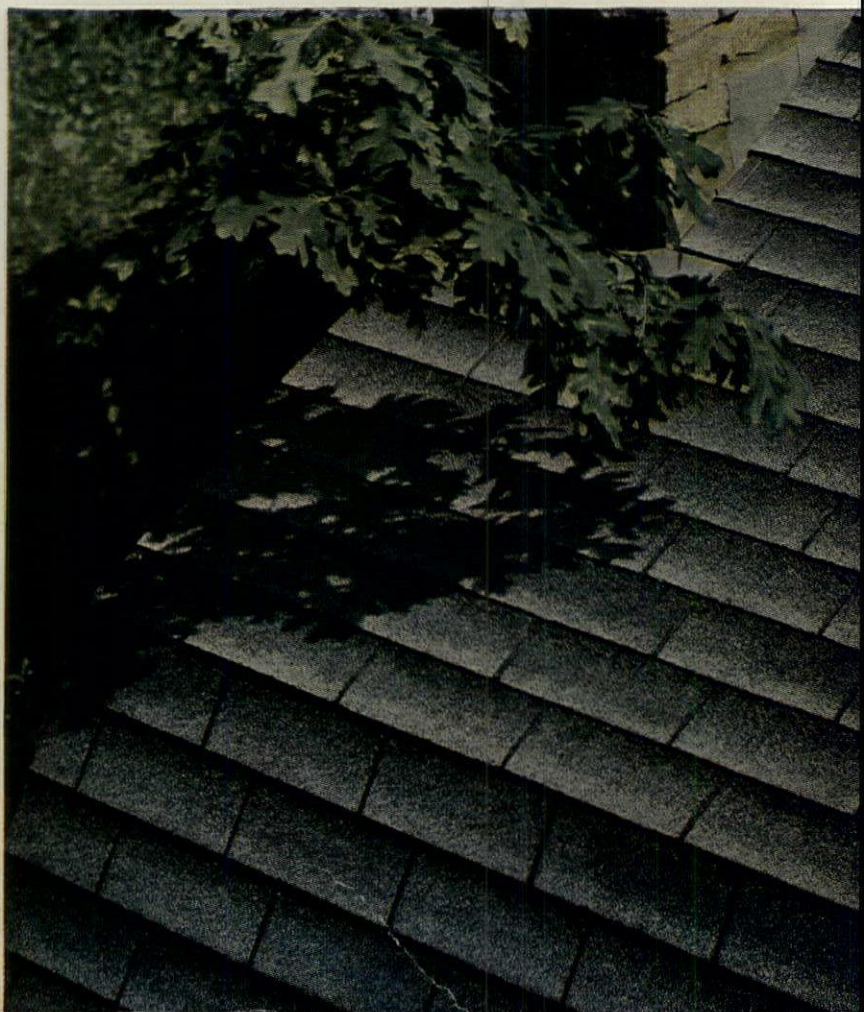
Fire-Chex Brown Shadow Blend Roof Design**

Carey Fire -

Fire-Chex Red Shadow Blend Roof Design*



Fire-Chex Gray Shadow Blend Roof Design*





Fire-Chex Velvet Black



Fire-Chex Chocolate Brown

Chex Shingles

Fire-Chex Green Shadow Blend Roof Design*



Made of asbestos-plastic —

the only shingles in the world that give you . . .



Fire-Chex are the only shingles of any kind with famous Underwriters' Laboratories, Inc. highest fire-protective rating—CLASS A without underlayment!

Only Fire-Chex are made for application in roof designs copyrighted as *works of art*—make your roof an original *master-work* of enchanting beauty!

Fire-Chex shingles are made *super-thick* and extra-heavy; lock out weather! Neither arctic blasts nor blazing sun will cause a Fire-Chex roof to crack, warp or blister.

Treat *your* home to the protection and breathtaking beauty only Carey *Fire-Chex* can give! Fire Chex Shingles are made only by Carey. There are no "substitutes". Ask your architect, builder or Carey dealer why *Fire-Chex* are your best buy—for a new roof on your present home or for that "dream" you're planning!

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The Philip Carey Mfg. Company

Carey

The Philip Carey Mfg. Company, Cincinnati 15, Ohio

From the House of Carey—Bathroom Cabinets and Accessories • Fire-Guard Rock Wool Insulation • Ceramo Asbestos-Cement Siding • Kitchen and Attic Ventilating Fans • Other Famous Products for Home, Farm and Industry

Now everyone can afford
the luxury of 24-hour heating comfort

in the
Living Area

in the
Sleeping Area

with the low cost

PERFEX

DAY-N-NITE CONTROL

Just imagine your home warm and cozy all day long and your sleeping area healthfully comfortable throughout the night — fully automatic. No more worrying about your children's health and sleeping comfort, regardless of weather changes.

Well, you don't have to imagine it any longer — enjoy it now, with your present heating system, by adding the wonderful, new Perfex DAY-N-NITE Control. Provides the temperature you want all day in your living area, and a healthful, comfortable night temperature throughout your sleeping area. It's completely automatic — each area regulated according to your personal preference, by an independent thermostat.

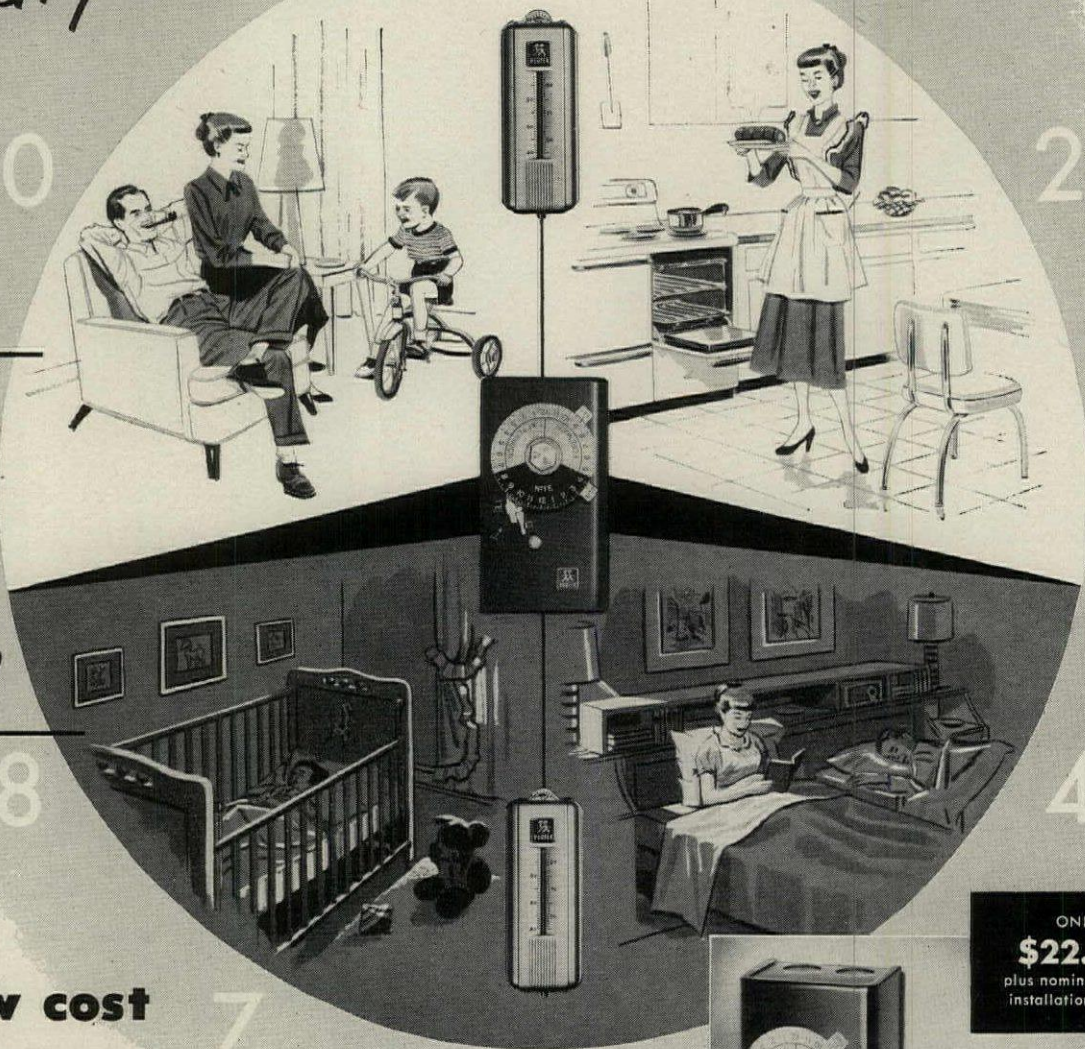
And best of all it costs so very little to add to your present system, you just can't afford to jeopardize your family's health and comfort without it.

*Take this ad to your heating dealer or return
the coupon for complete details.*

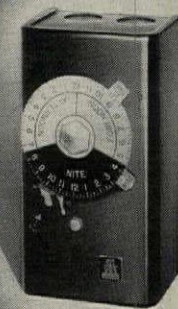
PERFEX

AUTOMATIC CONTROLS FOR HEATING • AIR CONDITIONING • APPLIANCES

Perfex Corporation, Milwaukee, Wis. • In Canada, Perfex Controls, Ltd., Guelph, Toronto 1



ONLY
\$22.70 *
plus nominal dealer
installation charge



SET No. 141



Automatic Time Switch and Magic Dial Thermostat hook up to your present heating system—gas, oil or coal. Leave existing thermostat in living area—install Perfex Magic Dial Thermostat in sleeping area and Automatic Day-N-Nite Time Switch in basement or utility room. Gives you automatic, independent temperature regulation in living and sleeping areas.

*Price subject to change without notice

PERFEX CORPORATION
500 W. Oklahoma Ave., Milwaukee, Wis.

Please send me complete information on your
DAY-N-NITE Control.

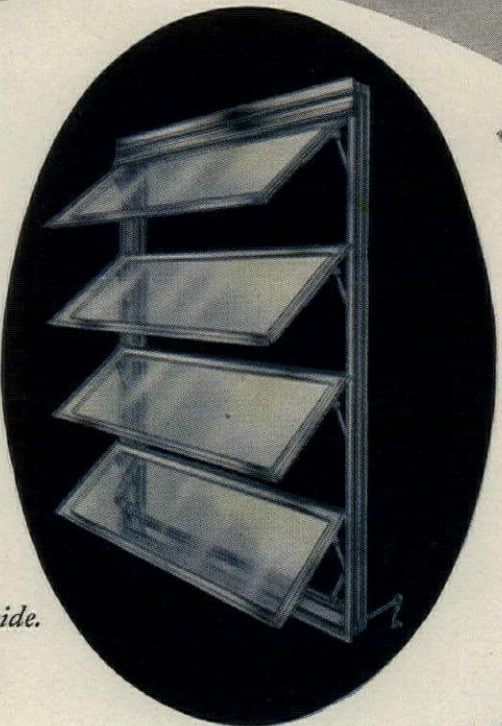
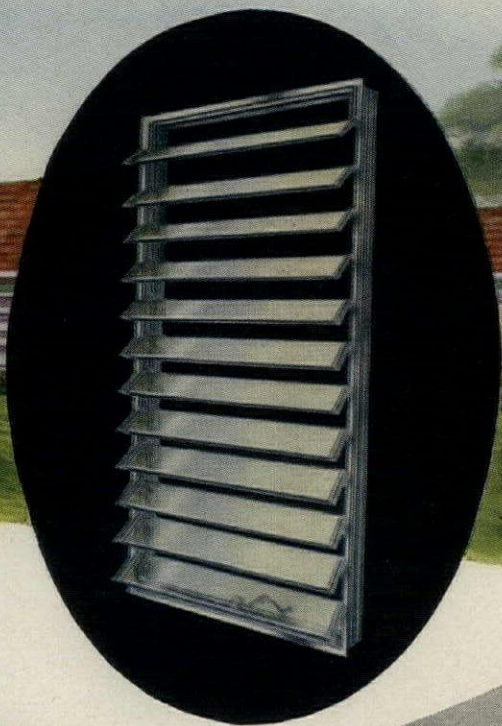
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City..... Zone..... State.....

what you should know about windows

- ✓ Modern windows of *aluminum* never need painting — stay bright.
- ✓ They afford full *ventilation* during summer, and give positive weathertight closing in winter.
- ✓ Sturdy aluminum frames are recessed to hold screens or storm windows.
- ✓ Glass vents are cleaned quickly, from the *inside*.
- ✓ Windows may be kept open during rain — vents shield furnishings within.



"ARNOLD WINDOWS FOR MY HOME"

They close *weathertight* in winter! No more drafts or cold spots around my windows. That means fewer colds for the family. And... my little girl now loves to help me clean windows. It's so simple and easy to do — from the *inside*.

Mrs. J. O.

The trend's toward aluminum windows — Arnold awning-type and jalousie louver windows. Architects and home owners everywhere have taken to their graceful lines and sturdy, weathertight construction. Learn all about these two fine windows...their easy upkeep and wonderfully modest prices...

Learn what you should know about windows — write for beautifully illustrated folder — TODAY!

Arnold
PRODUCTS SALES CORP.

6700 N. W. 36th AVENUE, MIAMI, FLA.

Manufacturers of Aluminum Alloy Windows — Awn-Win, Casement, Jal-Win, Jalousie, Storm-Win, Jalousie Doors and Projected-Type Windows

MAIL THIS COUPON TODAY!

Arnold Products Sales Corp. — Dept. X
6700 N. W. 36th Avenue, Miami, Fla.

Gentlemen: Please send me your colorful free folder and full information on:

Please Check

☐ Louver Window ☐ Awning Type ☐ Both

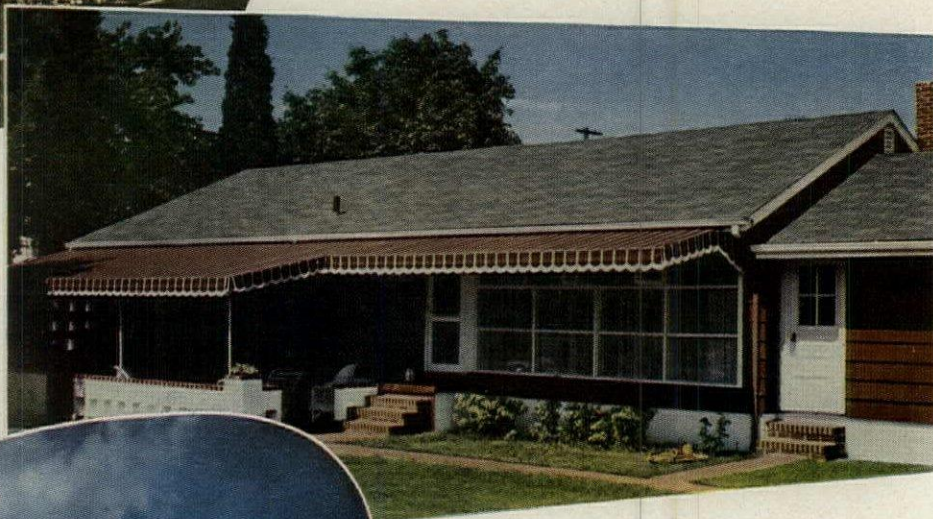
NAME _____

ADDRESS _____

CITY _____ ZONE _____ STATE _____



Traditional The gay touch of colorful awnings enhance the quaint charm of this little house in Bethlehem, Pennsylvania.



Transitional The long, low lines of this New Jersey ranch-style are accented by the deft architectural concept of the awning installation.



Modern Skillful planning is reflected in the handsome awnings designed and built into this home in St. Paul, Minnesota.

Whatever the spirit of your home, well-designed and properly executed awnings will add to its beauty and comfort. For there's a rich sense of luxury to canvas awnings . . . a warm-hearted look that no substitute material can match. Ask your local awning dealer to show you his sparkling array of Otis Woven materials. They're water-repellent and mildew resistant too. The gay patterns are woven through and through of sturdy, long-fibred vat-dyed yarn.

"Otis Wovens"

the Quality Awning Fabric
with BOTH-SIDES-ALIKE Beauty

For a **FREE FOLDER** on "Cool, Colorful Awnings" handsomely illustrated just write to the Falls Company, Winchendon, Mass.

Style 2906—Broad yellow and white stripes set off with contrasting bands of black.

Many other stunning combinations too, to meet the most exacting taste.



MADE BY THE **FALLS** Company — MAIN OFFICE: Winchendon, Massachusetts

Selling Agents: McCampbell & Company, 40 Worth Street, New York 13, N. Y.

glass gives your home a lot of extra charm
... and costs a lot less than you think!



HOW TO DECORATE A DOOR is well illustrated here. Full-length mirror panels of Pittsburgh Plate Glass completely cover these sliding closet doors ... and succeed in adding a feeling of greater spaciousness, light and beauty to the room, while successfully concealing the doorway.



WHERE TO BUY PITTSBURGH GLASS

Get it from your department or furniture store, your building supply dealer, or your local glass distributor. And be sure to look for the Pittsburgh Label. It's a dependable guide to quality plate glass.

WINDOW WALLS of clear, beautiful Pittsburgh Glass are considered by many to typify modern living at its loveliest and most luxurious. But remember this fact: large glass areas like these ... whether of regular plate glass, green tint Solex heat-absorbing glass, or Twindow, the window with built-in insulation ... are far less expensive than you think. They compare very favorably in cost with ordinary wall construction! Plan to have them in your home—to frame your nicest views, to make rooms bright and cheerful. You can afford them!



FREE BOOKLET! 24 pages of practical suggestions for the use of glass and mirrors in your home. Illustrated in color. Ideas for new homes and old. Send the coupon today for your copy.

PAINTS • GLASS • CHEMICALS • BRUSHES • PLASTICS

PITTSBURGH PLATE GLASS COMPANY

PLEASE PRINT

Pittsburgh Plate Glass Company
Room 3159, 632 Duquesne Way, Pittsburgh 22, Pa.

Please send me, without obligation, your free, illustrated booklet, "How to give your home Glamour with Glass."

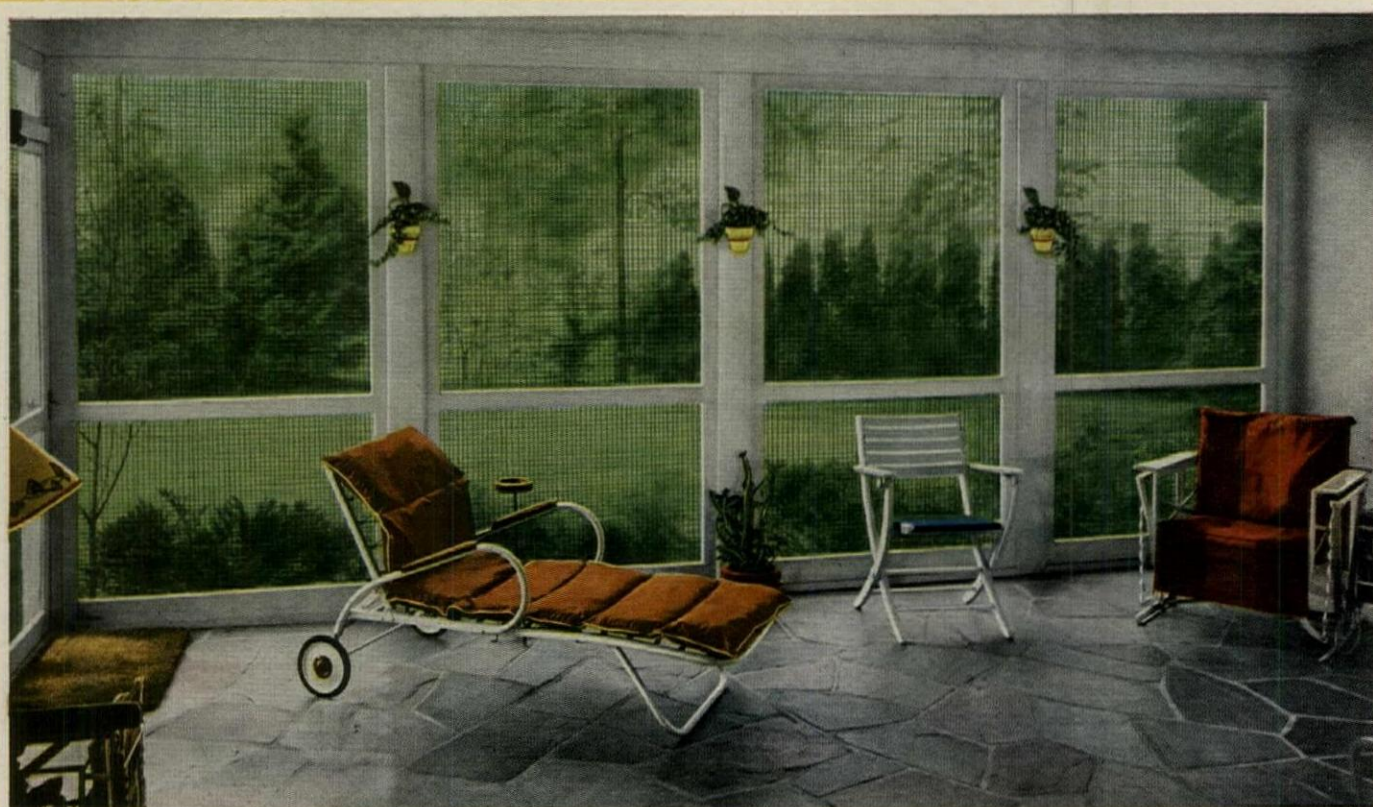
Name

Street

City

County State

Live and loaf in your Dream Home...
protected by **SCREENING**
woven of **Firestone Velon®**



PEACE—it's wonderful—as you relax on your porch or sunroom with the lazy sun filtering through your Screening woven of FIRESTONE Velon.

It's a grand feeling to know that you have no maintenance worries—that you won't have to grab your paint brush and touch up ugly "bleed" stains on your sills and sidings. You have made a sound investment in all-weather, all-year screening at a surprisingly low cost. No other screening has as much to offer.



✓check these features

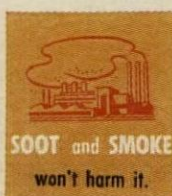
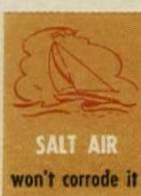
SCREENING woven of **Firestone Velon®**

- Won't rust
- Won't "Bleed"
- Won't stain sidings and window sills
- Shows no effects from rain, snow, hail, sleet or salt air.
- Never needs painting
- Won't bulge or break
- Won't corrode

Available in 3 rich tones—forest green, bronze brown and aluminum gray—to blend gracefully with any scheme of decoration. At hardware, building supply and Firestone stores.



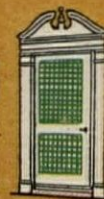
Write for your FREE copy of "Passing the Screen Test," a colorfully illustrated booklet that's fun to read.



Plastic Woven Products

51 CAMDEN STREET • PATERSON 3, N. J.

WEAVERS OF **Firestone Velon®**



Inc.

© Firestone Plastics Co.



Window beauty with WINDOWALLS—cheerful sunshine and a lovely view.

We welcomed sunshine into our home

Here's a home that's bright and cheerful . . . a home where Andersen WINDOWALLS make a view and cooling breezes a part of daily living.

Window beauty can be yours, too, if you plan for WINDOWALLS when you

build or remodel. They'll brighten your life as windows; protect you like a wall against unpleasant weather.

Want more information? Then write Andersen Corporation today for a free picture-treasury of window ideas!

TRADEMARK OF ANDERSEN CORPORATION, WINDOW SPECIALISTS FOR 50 YEARS

ANDERSEN

Windowalls

GIVE YOU WINDOW BEAUTY

A picture at your kitchen counter! Plenty of ventilation, too!



Capture each cooling breeze with a WINDOWALL.

Mail today for FREE
WINDOW IDEAS BOOKLET

Andersen Corporation,
Bayport, Minnesota

Please send more information about WINDOWALLS.

Please check ☐ I am planning to build
☐ I am planning to remodel

Name.....

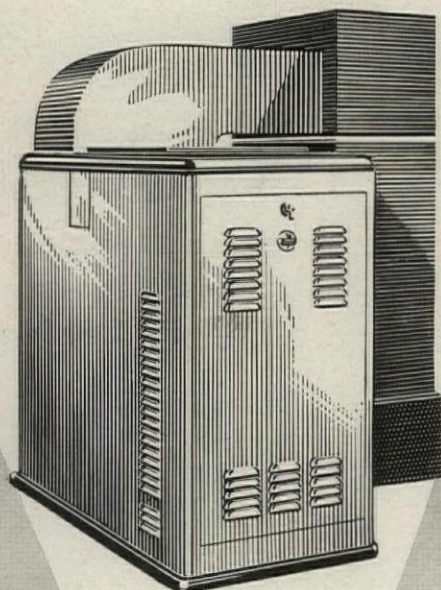
Address.....

City.....Zone.....State.....

HGB-3



and the joy that they bring,
buy Chrysler Airtemp ...
all year it's like Spring!

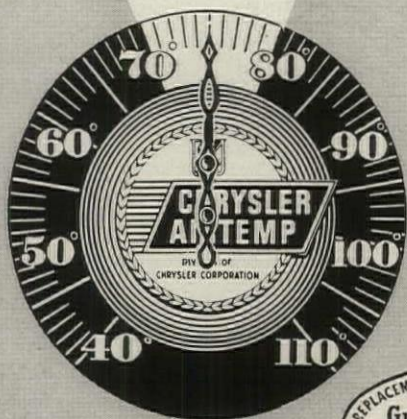


Your home stays cleaner—longer—when you have Chrysler Airtemp Year 'Round Air Conditioning. There's less housework, fewer cleaning bills, and drapes and furnishings stay sparkling fresh. That's because Chrysler Airtemp Year 'Round Air Conditioning constantly filters dirt out of the air in your home!

But that's not all. Life in the Comfort Zone is healthier, more comfortable too. In the heat of summer, or the cold of winter, you live in Springtime climate, personalized to your wishes. During winter, "Moisture-controlled" air prevents dry nasal passages which may be a source of many ailments. In summer, pollen and other nasal irritants are constantly washed from the air.

Why not learn all the benefits of Chrysler Airtemp Air Conditioning and give a child a beautiful Alphabet Book at the same time. Mail the coupon for your free copy of the Chrysler Airtemp Alphabet Book.

Comfort Zone



REPLACEMENT OR REFUND OF MONEY
Guaranteed by
Good Housekeeping
IF NOT AS ADVERTISED THEREIN

Chrysler Airtemp

HEATING • AIR CONDITIONING
for HOMES, BUSINESS, INDUSTRY

Airtemp Division of Chrysler Corporation, Dayton 1, Ohio

Airtemp Division of Chrysler Corporation
P.O. Box 1037, Dayton 1, Ohio

HGBB-53

- ☐ I want to know more about the Chrysler Airtemp Comfort Zone.
☐ Send me free copy of the Chrysler Airtemp Alphabet Book.

Name _____
Address _____ Phone _____
City _____ Zone _____ State _____



—a Mutschler Porta-Bilt Kitchen as featured editorially in McCall's Magazine

**features
and**

fashions

**...in the
Mutschler
manner**



The woman who can successfully create her own fashion—then tailor the suit or dress to perfection—is rare indeed. Fashion in kitchens is even more of a challenge. Most every woman knows what she wants. But carrying out her ideas, she realizes, is a job for an expert... someone with talent, training and experience in kitchen design and installation.

Your kitchen is our business, our specialty. Our kitchen experts create kitchens such as the one illustrated above... to your own individual tastes and requirements.

So, before you build or remodel... investigate the kitchen service that eliminates guesswork and disappointment. Your Mutschler specialist handles the complete job... frees you entirely of the details and responsibility of design, installation and decoration!

features **select from these and many others...**

EXTENSION TABLE
SLICING BOARD
FOOD WASTE CONTAINER
ROLLER BEARING SHELVES
BASE UNIT FOR TRAYS
BASE END SHELF UNITS
MIDWAY STORAGE UNITS
BEVERAGE UNIT
RECESSED SINK FRONT
UTILITY BASKET
WALL UNIT STEP SHELVES
CANOPY RANGE HOOD

UTILITY CART
REVOLVING BASE UNIT
CRISPER WALL UNIT
QUARTER-ROUND BASE UNIT
SILVERWARE DRAWER
ROTATING SHELF WALL UNIT
PULL-OUT TABLE AND STOOLS
OVER REFRIGERATOR UNIT
CUTLERY DRAWERS
SHRED-A-WAY DISPOSAL
FOOD CHOPPER HOLDER
"KAROSSEL" SHELF UNIT

RANGE EXHAUST UNIT
METAL CUP RACKS
LID AND PAN RACK
METAL BINS
FLOUR AND SUGAR BINS
PASTRY TIN FILE
CUSTOM COOKING UNITS
TOWEL STORAGE
VEGETABLE BIN
GLIDING PAN HOLDER
UTILITY AND DISH UNITS
PASTRY UNIT

send 35c for kitchen book!

**Mutschler Brothers Company
Nappanee 3, Indiana**

Enclosed is 35c for booklet
giving complete information about
kitchens, together with details
of your specialized service.



name _____
address _____
city, state _____

Lasting Modernity with—



RICHMOND PLUMBING FIXTURES

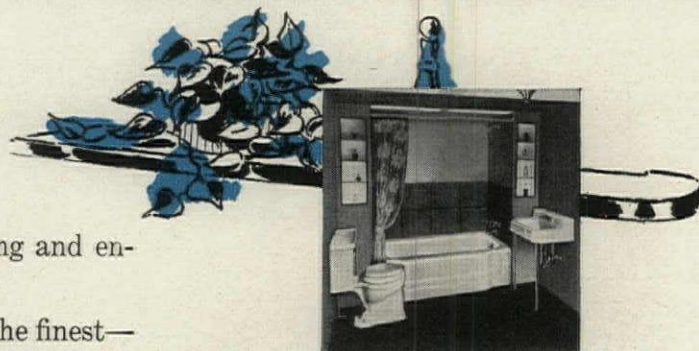
Your home is as modern as your bathroom. And while you can follow the modern trend with new carpeting and furnishings in *every other room*, your bathroom, of necessity, remains static year after year.

Consequently, when you build or remodel, you'll do well to install Richmond. Because Richmond fixtures give almost permanent mod-

ernity with advanced styling and engineering perfection.

Richmond specializes in the finest—vitreous china and enameled cast iron bathroom and kitchen fixtures. And Richmond is famous for its "Whiter-White" and range of beautiful colors that harmonize perfectly with your personality and individual taste.

Since 1867, manufacturers of gas-fired and oil-fired automatic heating equipment.

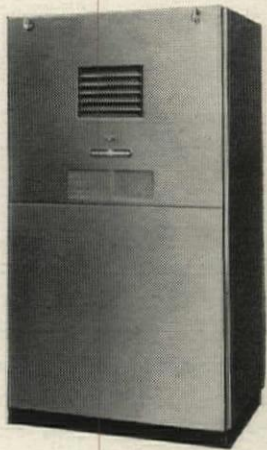


RICHMOND

RADIATOR COMPANY
19 EAST 47TH STREET, NEW YORK 17, N. Y.

In a single unit — Frigidaire
Air Conditioning and Heating!

Now you can live in a ONE-TEMPERATURE HOME all year 'round!



Frigidaire's combination Residence Air Conditioner is a compact central unit for heating and cooling. Includes filtering, ventilation and complete humidity control. Model shown—40 inches wide, 34½ inches deep, 70 inches high.



The new Frigidaire Add-On Air Conditioner. Quickly and easily adds cooling, filtering, and dehumidifying to present forced air furnace.

New combination heating and cooling unit provides all-season comfort — at surprisingly moderate cost

Think how wonderful it will be to have both winter warmth and summer cooling right at your finger tips . . . to have a home that is forever at one comfort level, no matter how temperatures sink or soar!

And the amazing fact is that if you plan your new home for year 'round air conditioning *right from the start*, you can often make substantial savings in design and construction.

More freedom in home planning. Frigidaire year 'round air conditioning allows more freedom in room arrangement as well as exterior

design. Design compromises are almost always necessary to provide ample cross ventilation. With Frigidaire year 'round air conditioning, cross ventilation is no longer a problem. Windows can be placed for the most advantageous view rather than to face prevailing breezes. Rooms can be arranged the way you want them because the weather inside will always be just right. And you save a hundred ways by protecting the life and beauty of furnishings, rugs, decorations and home equipment. Why not talk it over with your architect today!

Add on to your present forced air furnace for complete summer comfort

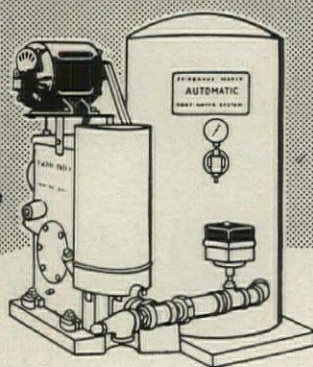
You can add Frigidaire Cooling to your present forced air heating plant, too, and enjoy complete air conditioning all summer long. Provides cooling, dehumidifying, filtering, to really beat the heat. Windows stay closed to

banish drafts, noise, pollen, dust and dirt. Why not enjoy the modern way of living. Call your nearest Frigidaire air conditioning Dealer or write Frigidaire Division, General Motors, Dayton 1, Ohio.

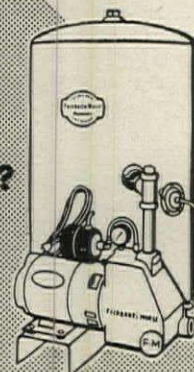
Frigidaire

**The most complete refrigeration and air conditioning
line in the industry**

this Pump?



or this Pump?

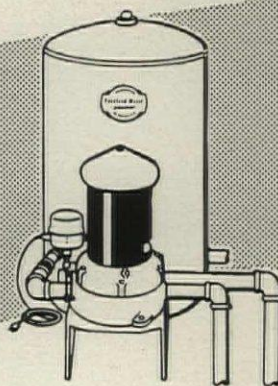


... send for this

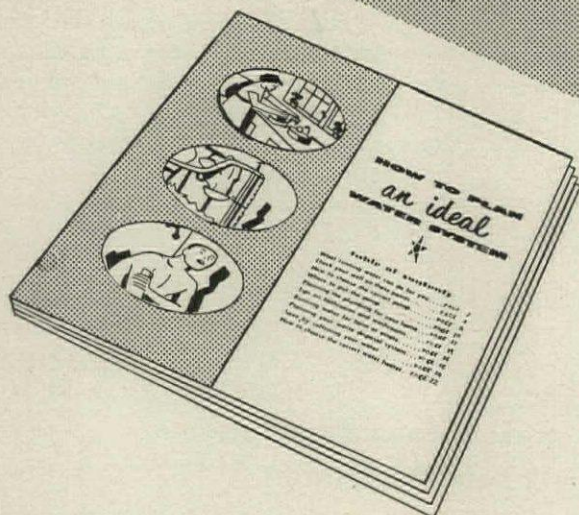
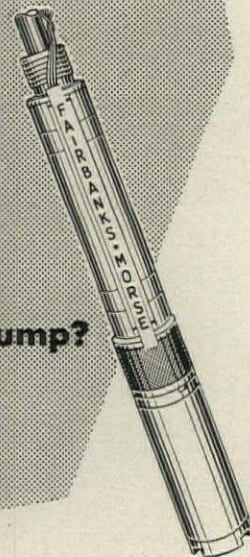
FREE BOOKLET

with all the answers!

or this Pump?



or this Pump?



Here is the booklet that tells all you need to know to assure your family of all the water it needs for comfort and convenience!

Its 24 illustrated pages are filled with information such as: selecting the proper pump for a shallow or deep well unit; where to put it; plans for the use of running water on farms and estates; planning the plumbing system for your home; tips on baths, laundry, washrooms and kitchens; how to plan and install a sanitary disposal system; the value of softening water; choosing the right water heater; and many other related subjects.



FAIRBANKS-MORSE

a name worth remembering when you want the best

WATER SYSTEMS • GENERATING SETS • MOWERS • MAGNETOS • HAMMER MILLS • PUMPS • MOTORS • SCALES • DIESEL LOCOMOTIVES AND ENGINES

Mail the coupon today!

This booklet will be sent to you free. Send for it now. Doing so can save many dollars and many headaches, as well as help give you all the advantages of a properly planned system of running water.

HENRY J. BARBOUR, Fairbanks, Morse & Co.,
600 So. Michigan Ave., Chicago 5, Illinois
Gentlemen: Please send me the free booklet, "HOW TO SELECT AN IDEAL WATER SYSTEM."

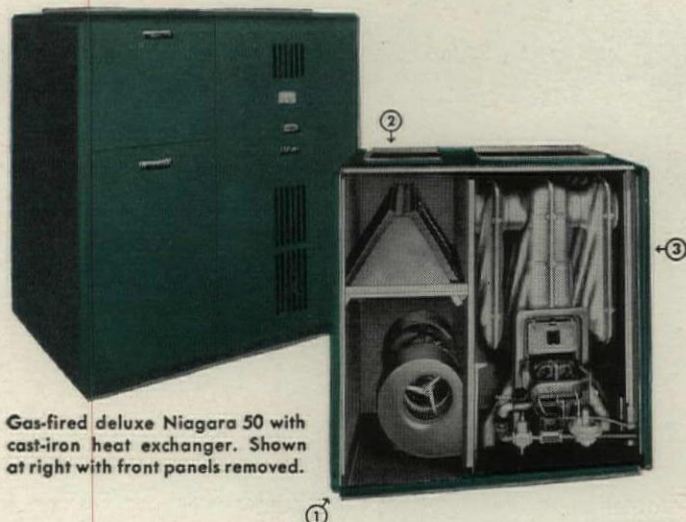
Name

Address

City..... RD..... State.....

For Your Family's Comfort and Health...get

Activated Heat with a **NIAGARA WARM AIR FURNACE**



Gas-fired deluxe Niagara 50 with cast-iron heat exchanger. Shown at right with front panels removed.

*Niagara Activated Heat is warm air in motion—live heat! A motor-driven electric blower (1) draws fresh air through a filter (2) that removes dust, dirt and pollen, directs the air over the outside of the heated walls of the sealed heat exchanger (3) and delivers the clean warm air through ducts to all parts of the living quarters. It's heat that is alive! **ACTIVATED HEAT!** Heat you'll enjoy for years and years to come!



OIL-FIRED MODELS:



Model 30-90 (Steel)
Winter Air Conditioner



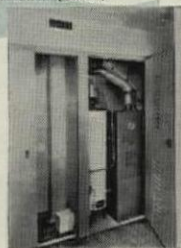
Model 30-85DG
(Steel) Gravity



Model 30-90DVAC
Hi-Boy Winter Air
Conditioner (Steel)



Model 30-90 DCFAC
Down-Flow Winter Air
Conditioner (Steel)



For Basement or Utility Room Installation

Thousands of today's home builders are following the example of their grandparents in choosing Niagara furnaces because they know from experience that Niagara furnaces have always been good furnaces. Today's Niagara furnaces, however, are a far cry from those of 60 years ago. Just as the architecture of homes has changed, so, too, have there been improvements in the design of Niagara furnaces.

For homes with a basement, the performance and economy of the recently-improved Niagara gas-fired winter air conditioners with the exclusive Niagara cast-iron heat exchanger (illustrated at top, left) are unsurpassed today, as for many years past.

For those who prefer furnaces with steel heating elements there are comparable models; and for use in modern compact houses, with or without a basement, completely automatic heat is available with Niagara vertical furnaces of the "high boy" type, for installation in utility rooms at ground level or in basements, and "downflow" furnaces for use in modern perimeter heating systems.

There's a Niagara furnace for every type of home and for any fuel—gas, oil or coal. For complete details of furnaces that will bring the comfort and economy of Activated Heat to your home, mail the coupon.

OTHER GAS-FIRED MODELS:



Model 50 G
(Cast-Iron) Gravity



Down-Flow (Steel)
Model 40-80 DFAC



Hi-Boy Model
40-80VAC (Steel)



Model 40-80 G
(Steel) Gravity



Model 40-90 AC
(Steel)

Many small homes and apartments are enjoying Activated Heat with compactly designed Niagara furnaces installed in "clothes closet space" with plenty of room left for a water heater, as shown here.

NIAGARA FURNACE DIVISION
THE FOREST CITY FOUNDRIES COMPANY
2500 WEST 27th STREET • CLEVELAND 13, OHIO

NIAGARA FURNACE DIVISION

The Forest City Foundries Co.,
2500 West 27th Street, Cleveland 13, Ohio

Send me complete information about Niagara Activated Heat furnaces for () GAS () OIL () COAL
() For house with basement; () without basement.

NAME _____

ADDRESS _____

CITY _____ STATE _____

NIAGARA is the word for **MAXIMUM HEAT** at **MINIMUM COST**

Ludowici shale tiles make the finest roof you can buy
and they are always economical



In excellent taste and with assurance of quiet harmony in landscaped surroundings, a roof of this characteristic tile will protect your house with lifelong service—it is weatherproof, fireproof and as imperishable as the earth itself.



This Ludowici interlocking tile with the authentic texture of the typical wood "shake" has no equal in permanency... no peer in beauty. For modern or traditional architecture this design is a symbol of elegance.



The idiom of modern architecture is functionalism. This Ludowici tile stone is a perfect complement to this idea. It makes a permanent, colorful design of proper texture for low pitched roofs.

All Ludowici roof tiles are of hard burned shale, colorful and harmonious with any style of architecture and have a protective permanence which can only be measured in the distance of time. With original cost surprisingly less than you think, a tile roof is an obvious economy; an investment with certain return from low insurance and maintenance. Send coupon for your copy of our newly published booklet about Ludowici Tile roofs.



Ludowici-Celadon Co.
Suite 1204,
75 East Wacker Drive,
Chicago 1, Ill.

Gentlemen:
I would like to see this booklet
about tile roofs by Ludowici.

Name _____

Address _____

City _____

State _____



UDOWICI-CELADON COMPANY
75 EAST WACKER DRIVE • CHICAGO 1, ILLINOIS

New York 17, N.Y.
565 Fifth Ave.

Washington 5, D.C.
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Cleveland 20, Ohio
12734 Woodland Ave.

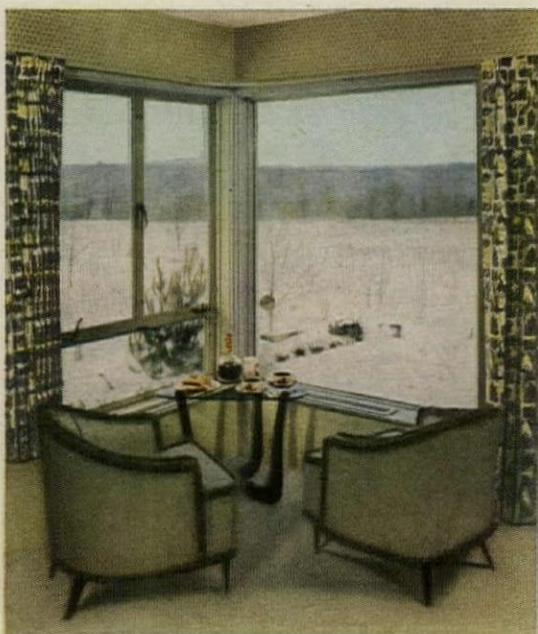


Face winter in comfort

...BEHIND



A BLANKET OF AIR



Winter can be downright pleasant when you enjoy its beauty through windows of *Thermopane** insulating glass. They bring in sunlight and beauty, but keep out cold. Their extra comfort is a boon to every room in the house.

Thermopane lets you sit close to windows without chilliness because it's made of two panes of glass with a sealed-in blanket of dry air. In effect, it adds a couple of usable feet to your rooms. You have clearer windows, too, because *Thermopane*'s insulation minimizes condensation. Windows stay drier and cleaner.

There's comfort for the budget-minded—for *Thermopane* helps cut down fuel bills. *Thermopane* is the easiest way to insulate windows. It stays on the job the year 'round without your lifting a finger. In summer its insulation helps keep your home cooler.

You can use *Thermopane* in many kinds of windows. Before you build or remodel, call your L·O·F Glass Distributor or Dealer and get all the information. Or write for our book "Self-insulating Windows of *Thermopane*". Libbey-Owens-Ford Glass Company, 233 Nicholas Building, Toledo 3, Ohio.

This cheerful corner is a cozy spot, though it's only inches away from winter. Picture windows and ventilating casements in every room of this house are *Thermopane*—for year-round comfort. Architects: Carr & Cunningham, Cleveland, Ohio.

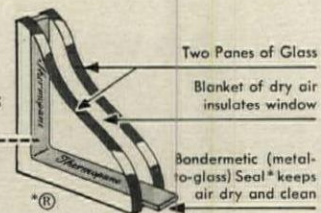


Thermopane

LOOK FOR THE NAME ON THE SEAL BETWEEN THE PANES



FOR BETTER VISION SPECIFY THERMOPANE MADE WITH POLISHED PLATE GLASS



Other L·O·F products: Plate Glass • Window Glass • Safety Glass • Tuf-flex* Tempered Plate Glass • Vitrolite* Glass Paneling



The walls of this charming dining room are paneled with warm Walnut Weldwood Plywood.

Make room for Weldwood® ... for Weldwood *makes a room*

You've heard it said that "walls have ears".

Well, if they *do* . . . and they're paneled with handsome Weldwood Plywood . . . they'll hear plenty of compliments!

So will you!

Yes, no matter *what* room, you'll enjoy it better yourself, win compliments from your friends, and *save money*, when you panel it with Weldwood.

Believe it or not, when the man of your family does the job himself, a *complete* average-sized room can be paneled with eye-thrilling Weldwood for less than \$200.

Yes, a genuine wood-paneled room

probably costs less than you thought. But consider these other advantages, too. Weldwood Plywood is beautifully decorative, permanent, crackless. It is *guaranteed* for the life of your home! And it harmonizes with either a traditional or modern setting . . . blends or contrasts perfectly with any color scheme.

Best of all, Weldwood walls are a tidy housekeeper's delight! They stay clean and fresh with a minimum of attention . . . grow even lovelier with age.

Weldwood panels go right over new walls or old . . . quickly, economically.

And you can choose from a variety of fine cabinet woods . . . rich walnut, soft-grained oak, lovely birch, golden Korina® and many others . . . in a wide range of sizes.

So if you are up against a wall in your redecorating problems, visit any of our 60 United States Plywood or U.S.-Mengel distributing units from coast to coast for full details on Weldwood paneling. Or see your Weldwood lumber dealer today.

R.S.V.P.

(meaning: Return Signature Very Promptly!)

UNITED STATES PLYWOOD CORPORATION
Box 61, New York 46, N. Y.

Enclosed find 10¢ for booklet, "Beautiful Wood for Beautiful Homes," showing ideas in full color for beautiful Weldwood paneled rooms.

Name _____

Address _____

City _____

Zone _____ State _____

HG-53

Weldwood® Plywood

a product of

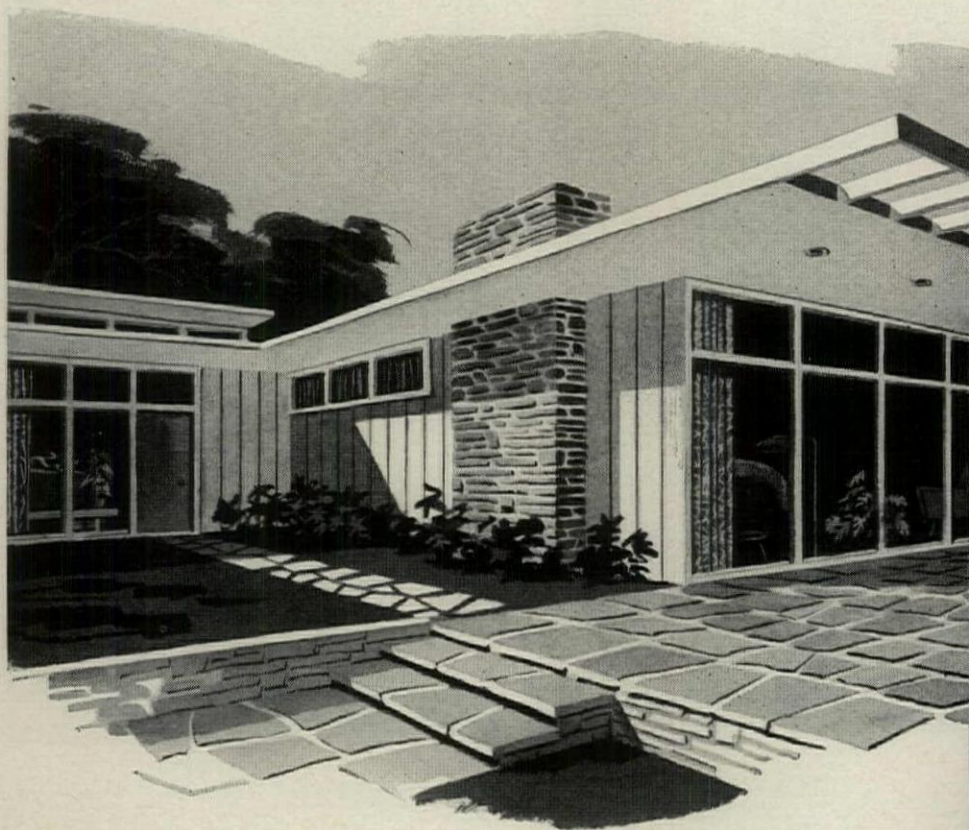
UNITED STATES PLYWOOD CORPORATION

World's Largest Plywood Organization

Branches in Principal Cities • Warehouses in Chief Trading Areas • Dealers Everywhere



Now Servel all-year[®] air conditioning for any new home at revolutionary low cost!



Complete home heating, cooling and air conditioning at little more than the price of heating alone!

This is truly a revolutionary year in home building! Instead of an old-fashioned heating plant, wise home builders everywhere are installing healthful Servel All-Year Air Conditioning.

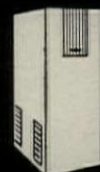
Plan to have wonderful year-round comfort in *your* new home, with trouble-free Servel—the central-unit system that creates a perfect indoor climate for every room, every day of the year!

Because Servel's unique system uses a flame for both cooling and heating, it is *extra* efficient, *extra* thrifty. And since there are *no moving parts* in heating or refrigeration units, operation is *quiet*, vibration-free and requires little or no upkeep. No wonder these quiet, dependable units can be guaranteed for five full years!

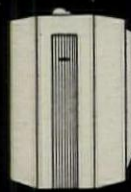
Make your new home truly *modern* with the time-proved, most widely used All-Year Air Conditioning System—*Servel*! See your builder or architect—or return the coupon for complete information.

Servel

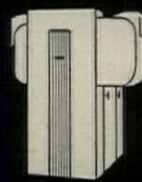
the name to watch for great advances in
AIR CONDITIONING ✓ REFRIGERATION



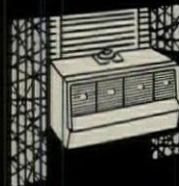
The 2-ton Unit, for low-cost homes—priced for the modest budget. Compact design. Gas-fired.



The 3-ton Unit, with ample capacity for most homes, at a special, low price. Uses either gas or oil.



The 5-ton Unit, for unusually large homes. Highly efficient performance. Long-lasting. Gas or oil.



The Wonderair, a remarkable value, a ¼-h.p. room air conditioner at the price of a ½-h.p. unit!

*Trade Mark Reg. Pending

HEATS in winter

COOLS by refrigeration
in summer

CLEANS the air

REMOVES excess moisture
on hot days

ADDS needed moisture
on cold days

CIRCULATES the air

VENTILATES with outside air

Mail today

Servel, Inc., Dept. HG-53,
Evansville 20, Indiana

Send me the interesting new facts about the economy and comfort of Servel All-Year Air Conditioning.

Size of home contemplated: _____ rooms

Name _____

Street _____

City _____ Zone _____ State _____

LONG ON WEAR...SHORT ON CARE

Vina-Lux

..the modern flooring
for modern homes



Matching the modern home in superlative beauty, Vina-Lux gets admiring looks wherever it is used. It is without a peer for living rooms or dens...for kitchens, dining rooms or any food serving area. For, wherever food is served, Vina-Lux serves best. Grease, oils, acids or alkalis won't harm it...spilled foods won't spoil it...dirt and grime won't wear in. Its glossy, satin-smooth surface stays beautiful even under the hardest traffic...after long years of use.

This superbly modern flooring brings the miracle of vinyl-asbestos to the modern home...lightens chores because it

rarely needs hard scrubbing...never needs waxing. It brings safer footing, easier walking, because it has a cushioned resiliency that makes it easy on the feet.

And, Vina-Lux brings the ultimate in brilliant new color...colors so light and bright they fit to perfection today's decorative requirements. For floors that look beautiful...stay beautiful, Vina-Lux will give more wear with less care than any other flooring.

*Write today for your Vina-Lux Color Chart
and name of nearest AZROCK dealer.*

UVALDE ROCK ASPHALT CO.

FROST BANK BUILDING • SAN ANTONIO, TEXAS

Makers of AZROCK • VINA-LUX • AZPHLEX • DURACO



"Azrock Makes Fine Floors"

the dust stays off...the beauty stays in



Flexalum® venetian blinds

only Flexalum gives you these exclusive miracle materials

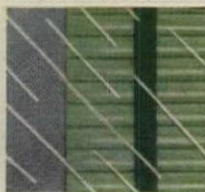


wipe-clean plastic tape . . . so smooth even sticky jam can't get a grip! Dust can't cling either; stubbornest dirt vanishes with a stroke of a damp cloth. No tiresome scrubbing or tub-soaking . . . remarkable Flexalum tape cuts cleaning time from hours to minutes.

won't fade



won't shrink or stretch



spring-tempered aluminum slats. Bend them, abuse them . . . you just can't spoil their good looks! Exclusive Flexalum process makes them snap back to perfect shape. Mar-proof finish won't fade or discolor. Only Flexalum slats have these exclusive features!

won't chip or peel



look for this mark!



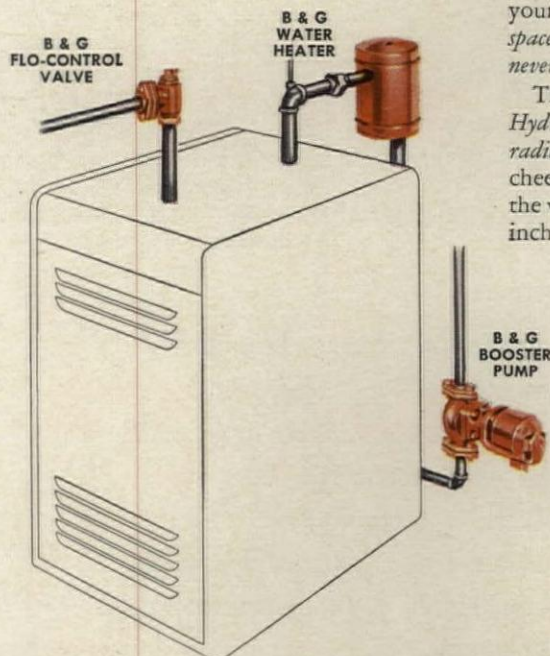
WRITE FOR FREE BOOKLET—"HOW TO CHOOSE YOUR VENETIAN BLINDS",

DEPT. KK HUNTER DOUGLAS CORPORATION, 150 BROADWAY, NEW YORK 7 • IN CANADA—HUNTER DOUGLAS, LTD., MONTREAL, QUEBEC



Every inch of your home is *livable space* ... no cold spots when you have

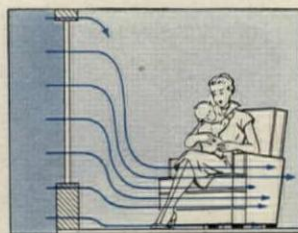
B & G Hydro-Flo* Heating



The three basic units of a B & G Hydro-Flo System are the Booster Pump for automatic circulation, the Flo-Control Valve to prevent an over-ride in temperature—and the Water Heater.

Remember this one vital fact when you select your heating system . . . *if the walls, floors and spaces around the windows are not warm, you'll never be really comfortable.*

That's why your home should have B & G Hydro-Flo Forced Hot Water Heating. This radiant heating system blankets your home in cheerful, sun-like warmth. Radiant rays warm the walls, floors and window areas—make every inch livable space.



This is what happens when outer walls are not warmed. Icy down-drafts make the space around the windows unlivable.



When walls and floors are warm, cold drafts are eliminated—all the space in your rooms is comfortably warm.

PLUS ALL THE HOT WATER YOU CAN USE

The modern home needs hot water as never before . . . automatic washers and showers require ample quantities for satisfactory operation. The Water Heater of a B & G Hydro-Flo System produces a virtually inexhaustible supply, all year 'round at small cost.



BELL & GOSSETT

C O M P A N Y

Morton Grove, Illinois

Canadian Licensee: S. A. Armstrong, Ltd., 1400 O'Connor Drive, Toronto, Canada

Ask your architect or heating contractor

*Reg. U.S. Pat. Off.

Bell & Gossett Company, Dept. CX-51, Morton Grove, Ill.

Please send your free booklet, "Capture the Sun with B & G Hydro-Flo Heating."

Name _____

Address _____

City _____ Zone _____ State _____



PHOTO: STANLEY BENHAM

Designed by T. H. Robsjohn-Gibbings

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... as beautiful as a garden, as clean as a hospital,
as enduring as the treasures of Greece and Rome!
There is no substitute for Marble, whether in the bath,
the kitchen, the foyer, dining room, bedroom or
living room. And Marble is economical.
Long years of low maintenance has proved this fact in
thousands of homes and buildings throughout the world.

Send for FREE brochure: "Marble for the Home" to

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Cool the *whole* house with an R & M "Package" attic fan. It's the practical, low-cost way to keep your home cool and comfortable on the hottest summer nights. Hot, stuffy air is pushed out of the house... cool, refreshing night air is pulled in. It's wonderful! You and your family can relax in cool comfort—really get a *good*

night's sleep. *Easy* to install—fits low attics and all standard hallways. Performance guaranteed.

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A LOW-COST
EASY-TO-INSTALL

R & M "Package" ATTIC FAN
COOLS YOUR WHOLE HOUSE
EVERY SUMMER FOR YEARS!



Sleep in Cool Comfort



Home Is a Cool Retreat



At the flick of a switch, stuffy daytime heat of home and attic is whisked out...



And cool, fresh outside air is pulled in. In minutes the temperature starts to drop.



Easy to install! Fan simply sets in place. No finishing, no special construction.

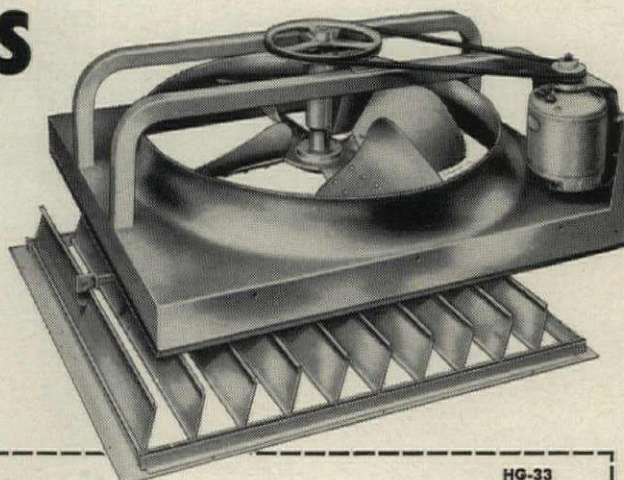
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"Package" attic fans

From \$139.95* including automatic ceiling shutter.

NO "EXTRAS" TO BUY! Everything you need comes in a package. R & M has an attic fan that will fit *your* home.

*Prices subject to change without notice.



it's free!



ROBBINS & MYERS, INC., Fan Division,
387 So. Front St., Memphis 2, Tenn.

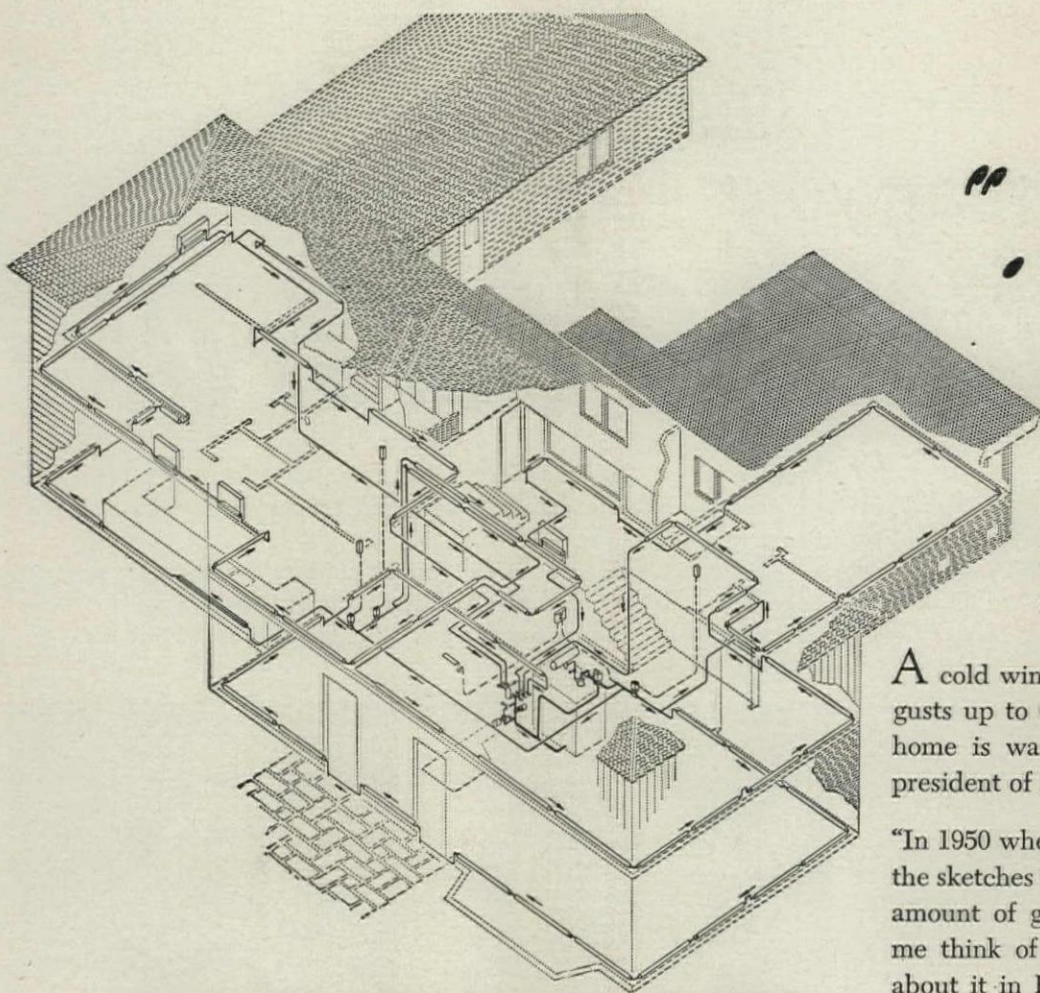
Please send me your free booklet on R & M "Package" Attic Fans—"Cool Relief from Summer Heat."

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HG-33



Heating plan for the Hinman home. Webster CF-2 Unit provides master control. Duplex clock thermostats provide overheat limit control for each of three zones, as follows: (1) Living room and dining

room. Also includes one bedroom and bath. (2) Kitchen wing and servants' rooms. (3) Bedrooms on the second floor. Heating installation made by Seaman & Muller, Port Washington, Long Island.

... like a
regardless of

Installation with Tru-Perimeter Forced Hot Water Baseboard Heating ... 5 Circuits ... 3 Zones ... Outdoor Thermostat Control

A cold wind whistling in off Long Island Sound with gusts up to 60 miles an hour ... and yet the Hinman home is warm and comfortable. George R. Hinman, president of Pioneer Scientific Corp., says:

"In 1950 when my Architect, Julius Gregory showed me the sketches for our new house, I was struck by the large amount of glass. This and the exposed location made me think of Webster Baseboard Heating. I had read about it in House Beautiful.

"Now we have been through two complete heating seasons. Temperatures everywhere in the house are like a balmy night in June, regardless of outdoor weather conditions. There are no hot spots from radiation, no warm gusts from heating vents."

Webster Baseboard Heating is tru-perimeter heating with forced hot water. Behind the metal baseboard



The home of George R. Hinman, with its commanding view of Long Island Sound, presented a heating challenge because of its exposed location and wide expanse of glass. Mr. Hinman says: "I asked my architect about Webster Baseboard Heating and we agreed it was the logical solution. How right we were!" Julius Gregory, A.I.A., was the architect. Wesley Copp, of Sands Point, was the builder.



balmy night in June

outdoor weather"

enclosure, the Webster heating element carries hot water round and round each heating circuit. Nothing too hot to touch. No cold walls. Floors are warm even with floor-slab construction. There is no feeling or smell of heat. No fast-rising currents of heated air — it's the new clean heating. You can place your furniture wherever you wish. Nothing to interfere with wall-to-wall carpeting. Proved in many thousands of installations.

For a heating-system that will match the truly fine home, consider Webster Tru-Perimeter Heating. Your Webster Representative will give you full details. Or write us.

Address Dept. HG-13

WARREN WEBSTER & COMPANY

Camden 5, N. J. Representatives in Principal U. S. Cities

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Webster

TRU-PERIMETER FORCED HOT WATER
BASEBOARD HEATING



Above: the inconspicuous Outdoor Thermostat of the Webster Control. Below: Webster Continuous Flow Control Cabinet provides convenient manual control for use if desired. Permits choice of Automatic, Off or Full Heat. Variator provides for step-up or slow-down.

In this dining room with a view, Webster Baseboard Heating raises a curtain of warmth in front of the picture window. Even on the coldest day, there is no feeling of chill or draft. The Baseboard enclosure is painted to harmonize with room decor.



The master bedroom with glass on three sides is comfortable at all times — with mild heat in mild weather, full heat when the outdoor temperature falls or high winds blow. Damper is visible at left.

Webster Baseboard Heating is mild heat—that's especially important in the library of the Hinman home. And see how inconspicuous it is.



Newest Window Development Cuts Building Costs . . . Brings New Concept of Comfort



Brewster Manor Homes, Hicksville, Long Island, feature Rusco Prime Windows throughout. Builder Lee Schoenfield selected them because they offer advantages no other window can provide. He says, "Without qualification, we recommend Rusco Prime Windows as best for the home of today."



The insulating sash in Rusco Prime Windows eliminates cold zones and drafts around window areas. Rusco Lumite screen filters out dust and dirt—keeps your home far cleaner.



All glass and screen panels in Rusco Prime Windows are removable from the inside for easy, safe, convenient cleaning. There's no dangerous ladder-climbing or leaning and reaching with Rusco.

Rusco's Fully-Prefabricated, Ready-to-Install Galvanized Steel Window Unit Getting Enthusiastic Reception from Home Builders

To anyone who has had any experience in building, the shortcomings of conventional windows are painfully obvious. But finally someone has done something about taking windows out of their "horse and buggy" stage and bringing them up to date.

In the Rusco Prime Window, The F. C. Russell Company has developed an entirely new type of window that offers every advantage and convenience you can imagine. Modern, streamlined and unusually attractive, it is made of sturdy, tubular galvanized steel, finished with baked-on outdoor aluminum enamel. It comes all ready to install—a complete, fin-

ished unit containing glass, Lumite all-year screen, built-in weather-stripping, attached hardware and wood or metal casing. All glass and screen panels are removable from inside the house for safe, easy cleaning. The lower glass panel automatically locks in closed and all raised positions.

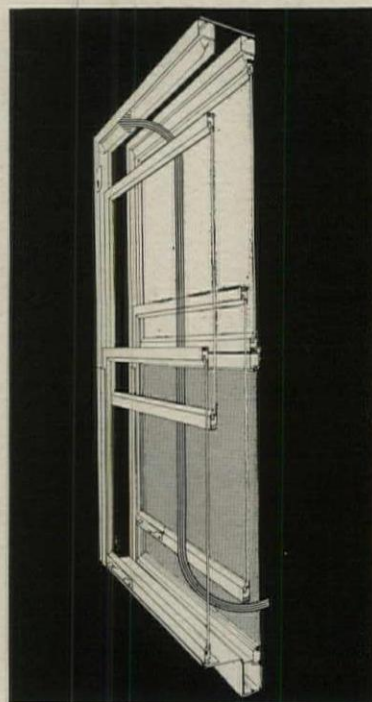
Complete installation of the Rusco Prime Window consists simply of plumbing and nailing it to the studs. There is no on-the-job glazing, fitting, adjusting or painting. Consequently, on most types of construction, the Rusco Window can be fully installed in as little as five minutes, making big savings in installation time and cost.

Year'Round Rainproof, Draft-Free Ventilation

The Rusco Prime Window is available with Rusco's special insulating sash that gives double-window protection. With the insulating sash, a simple adjustment of the regular window sash and insulating sash, as shown in the sketch, eliminates direct drafts and keeps wind, rain and snow out. You enjoy a home that's cooler in summer, warmer in winter, fully protected. And never a screen or storm window to change!

Can be Included in Original Mortgage

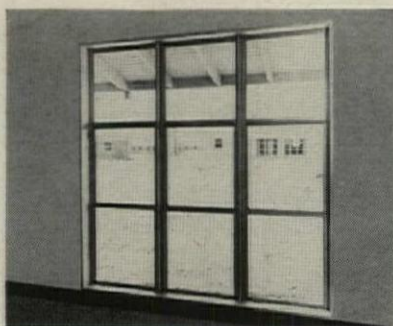
Rusco Prime Windows are recognized by mortgage loan departments as materially increasing the valuation of your home. They may be amortized over the full period of your original mortgage—in fact may increase the amount of mortgage allowed. Equipped with insulating sash, Rusco Windows eliminate the need for extra screens and storm windows. With the conventional type windows, home owners find they must finance this separately on expensive short-term loans.



AVAILABLE IN WIDE VARIETY OF TYPES AND SIZES



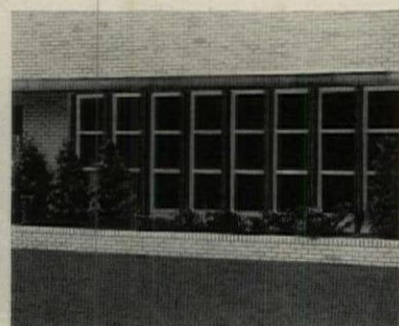
Rusco picture window and flanker arrangement permits controlled ventilation with large fixed window area. Flanker arrangement may also be used effectively with doors.



Installation showing how combination of 3-light high Rusco Prime Windows gives full "window wall" arrangement. Because units come all ready to install, labor is minimized.



On many small homes, such as this one in Houston, Texas, Rusco Prime Windows are used in single, double and triple arrangement to suit various room or design requirements.

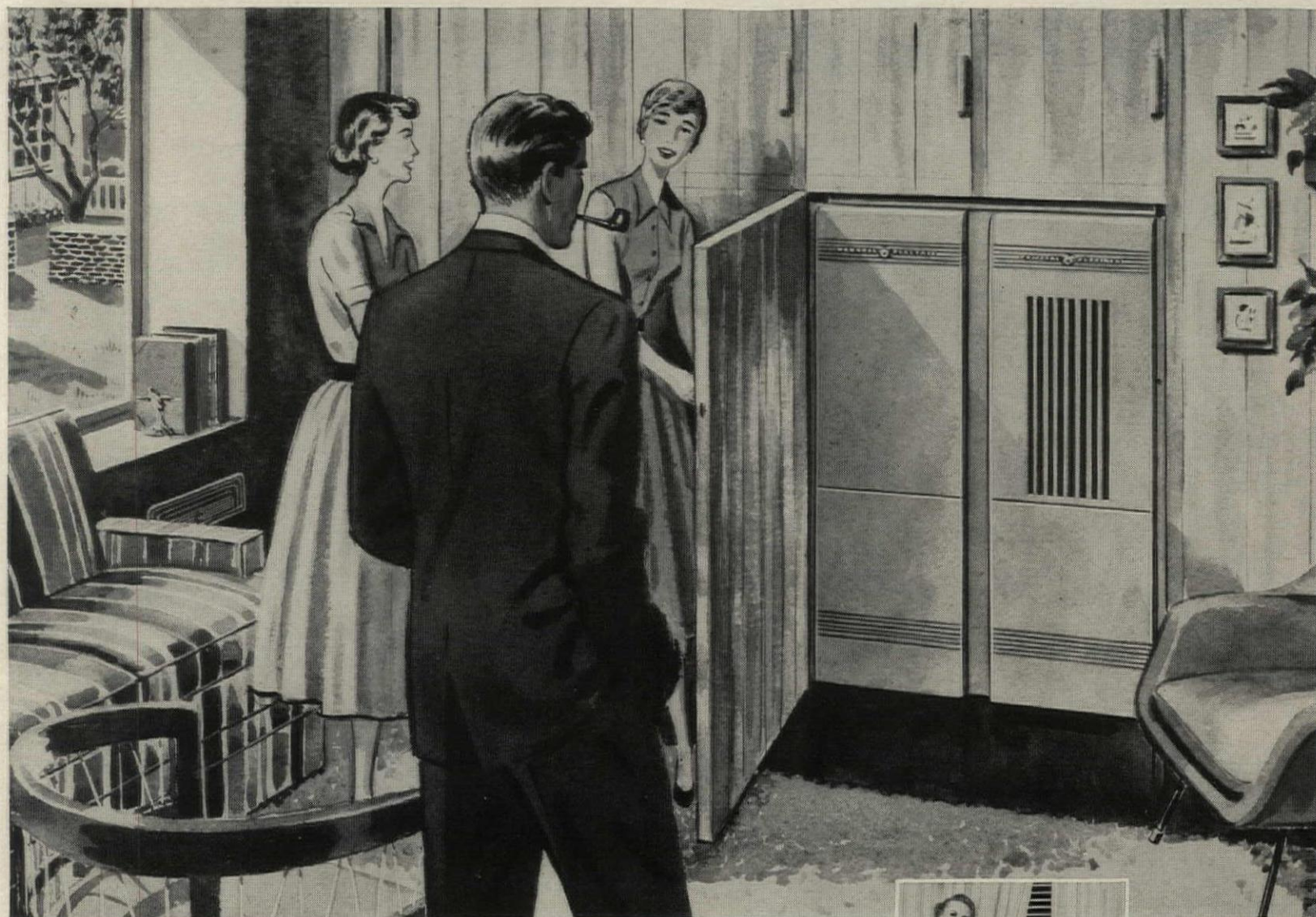


Rusco Prime Windows are available in two, three and four-light high units—permit great flexibility in architecture and arrangement. They may be joined as desired, with mullions.

For illustrated literature and name of nearest Rusco Prime Window distributor, write

DEPT. 7-GB3, THE F. C. RUSSELL COMPANY
CLEVELAND 1, OHIO
In Canada: Toronto 13, Ontario

If you can afford a new home...
YOU CAN AFFORD G-E YEAR-ROUND AIR CONDITIONING



Single, compact unit heats and cools any size home, in any climate!

Why swelter and sweat in the summer? Why freeze and fuss in the winter? Why not treat your whole family to wonderful, all-season comfort in every room of your home?

You'll find the key to this modern way of life in General Electric's surprisingly economical new Year-Round Air Conditioner now brought within reach of almost everyone.

This compact, whisper-quiet unit fits anywhere—basement, utility room, attic, closet, garage. Automatically, it cools or heats, filters and circulates. You choose either oil or gas for heating. Your whole home becomes cleaner and quieter. You'll enjoy undreamed-of comfort.

You get many extra benefits with G.E.'s Air-Wall System. The same space-saving ducts and

unique G-E Air-Wall Registers are used for both heating and cooling. No unsightly high-wall outlets are needed. No carpet-cutting is necessary as in the case of ordinary floor-type registers. No cold walls or drafts in winter... no hot spots in summer.

G. E. also offers a complete line of furnaces and boilers for oil and gas, warm air, hot water, steam or vapor—all designed to give wonderful, economical comfort—all backed by G.E.'s reputation for dependability.



G-E AIR-WALL

Registers are a decorator's delight. They blend into any setting...allow freedom in arranging furniture and draperies, because they spread a protective wall of warm or cool air upward—don't blast it straight out.

*REG. TRADEMARK OF GENERAL ELECTRIC CO.

GENERAL  ELECTRIC



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HEATING
AND
COOLING**

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 G-E Oil Furnace ☐; G-E Gas Boiler ☐; G-E Gas Furnace ☐; G-E Air-Wall System ☐.

NAME.....

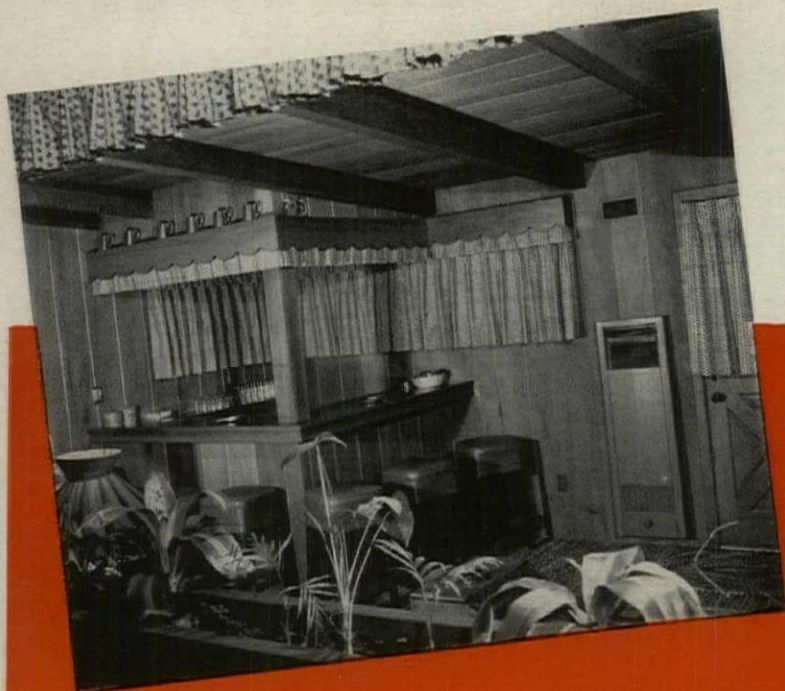
ADDRESS.....

CITY.....ZONE.....COUNTY.....STATE.....



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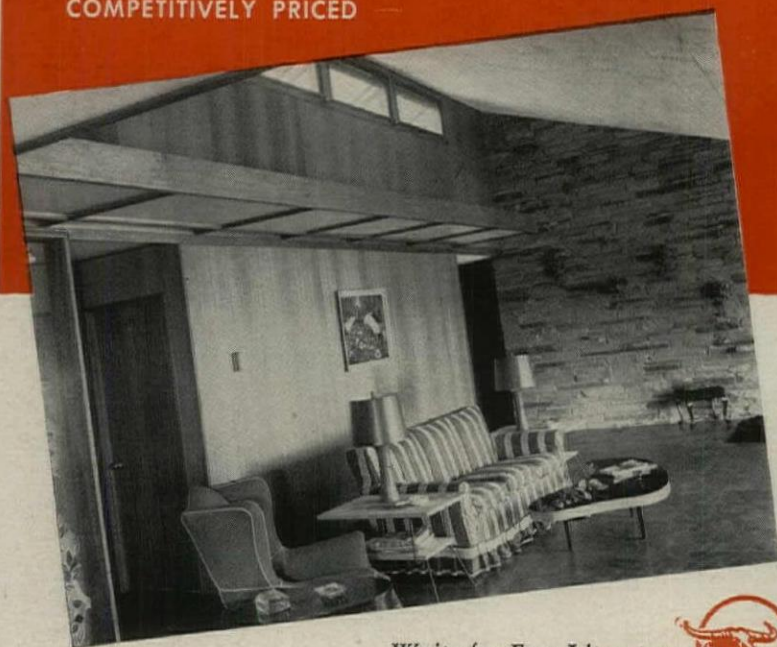
Beautiful • Permanent • Economical



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No other building material contributes so much to the beauty and value of a home as does the proper use of fine woods — for paneling, mantels, cabinets and trim, this beautiful tropical hardwood will look better, last longer, and require less maintenance than other woods or building materials. Regardless of the architectural style, size, or decorative scheme of the home you are planning, insist on Philippine Mahogany. Ask your architect, contractor or decorator for further information.

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How to make garage or carport pay its own way

Instead of being a mere car-parking spot, your garage or carport can pay its own way as an attractive and double-duty part of your house. It can make a small house look bigger, perhaps form an L for secluded outdoor living, help unite house and grounds. It can provide storage space where it's cheapest and most useful—outdoor furniture near terrace, sports equipment next to the car that takes you skiing or golfing. And if it is in front of the house, it adds convenience, cuts driveway costs.

KERTESZ



Breezeway links garage to house and garden, provides a covered entrance, increases apparent size of house. This arrangement also provides an ample turn-around and off-the-street parking for your friends' cars.

SHULMAN



This carport has a draw-curtain of black-and-white striped canvas to protect the cars in stormy weather. Between the carport and the house there is storage space. This is House No. 9 which appears on page 52.

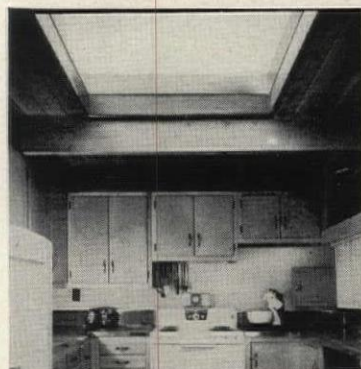
Continued on page 24

A PAGE OF BRIGHT IDEAS

on how to make your home LIGHTER and BRIGHTER...
with dramatic windows to the sky



On this pitched roof, clear colorless Skydome brings sunlight in by day, gives view of starlit skies at night.



Never a "dull" moment in this kitchen—a Skydome sends floods of cheery daylight to every corner.



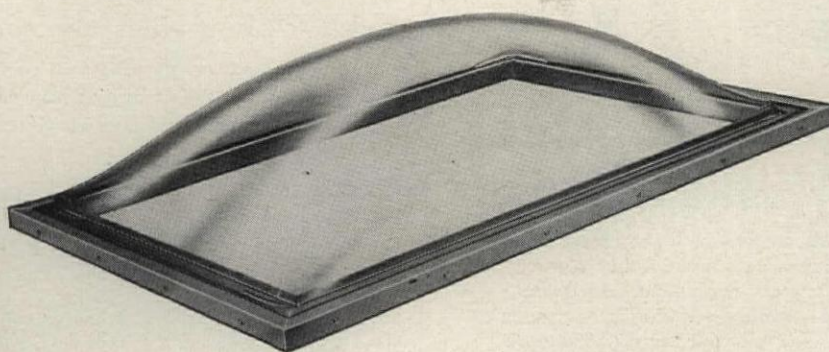
Sunlight an indoor garden with Wascolite Skydomes. Bright idea for sunporch, too.

The more daylight you let in—the more you will enjoy your home. With Wascolite Skydomes overhead, you can have floods of natural light wherever you want it—less eye strain—smaller light bills—more practical use of interior space—and greater functionality and freedom of design.

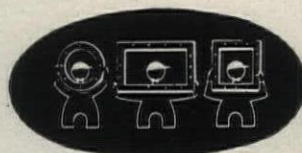
Wascolite Skydomes are weather-proof, shatter-resistant, maintenance free. The acrylic plastic domes are *clear colorless*, to provide a "picture window in the roof"—or *white translucent*, to bring in uniformly distributed, glare-free daylight. They are mounted in attractive frames of time-defying extruded aluminum, an exclusive Wascolite feature.

Installation is simple as putting the cover on a jar. Skydomes come pre-assembled, ready to drop over prepared openings in the roof. With just a screwdriver, they are secured in a jiffy.

Choose from 17 economically-priced stock sizes: square, rectangular or circular shapes. Be sure you get the genuine and original Wascolite Skydomes with the "dome that floats in its frame". Send for our illustrated folder with valuable suggestions for daylighting your home.



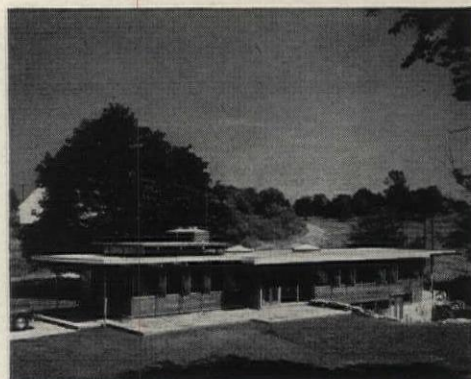
WASCOLITE



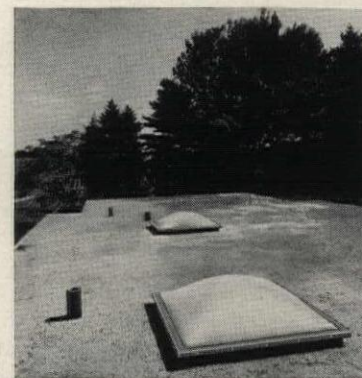
SKYDOMES

U. S. Pat. 2610593 other patents pending

WASCO FLASHING COMPANY
91 FAWCETT ST., CAMBRIDGE 38, MASS.



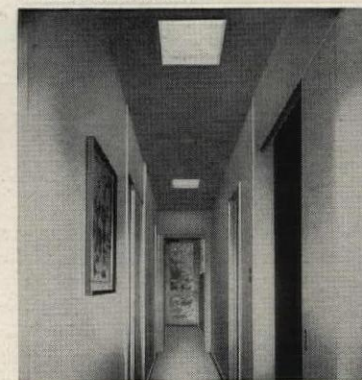
Two Wascolites sunflood inside rooms here, make windowless spaces bright as all outdoors.



Suavely streamlined, graceful one-piece Wascolite Skydomes are as attractive from outside as from in.



Plenty of bright daylight for shaving or make-up in this inside bathroom—there's a Wascolite overhead.



No darkly unsafe halls with Skydomes overhead! They pay for themselves with lower light bills.

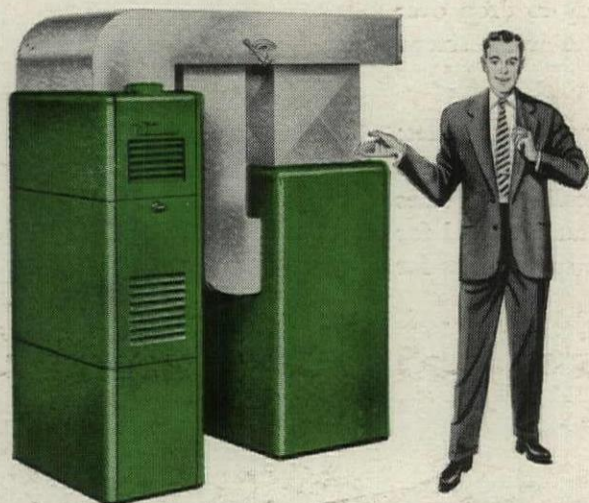


By day or night the light is right—fluorescent fixtures can be built into the Skydome "well".

"We got tired of talking about the weather"



... so we *did* something about it. It was easy. We just called the Mueller Climatrol dealer and asked him what we could do about keeping our home warm in the winter and cool in the summer — *automatically*. Well, he really opened our eyes! He showed us how easy it is to control our *indoor* weather — all year long — with Mueller Climatrol. And what's more, he proved to us that Mueller has units to do the job that fitted into our modest budget.



HOME HEATING-and COOLING Tips from your Mueller Dealer

Summer air conditioning is not the expensive luxury some might believe. In fact, oftentimes in building a new home, other constructional savings can offset the cost of cooling equipment. And, new unique types of Mueller Climatrol cooling units offer summer air conditioning — for new and old homes — to fit your budget. Take the combination heating and cooling plant shown above. It can be installed as a complete year 'round conditioner, or — if you already have a forced air furnace — the self-contained cooling unit can be easily added to it. Either way, you use the same duct for heating and cooling. A number of good ideas are suggested in the new, free Mueller Climatrol booklet, "Indoor Climate Control." Send for it. Use the handy coupon below.



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Please send me the FREE Booklet — "Indoor Climate Control."

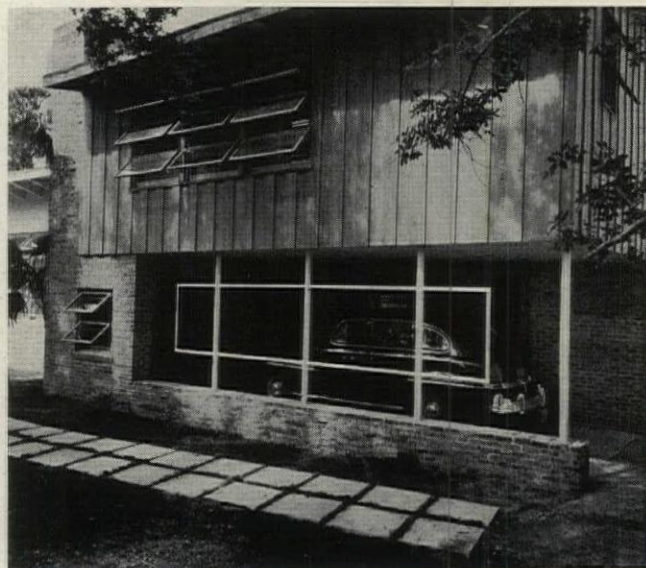
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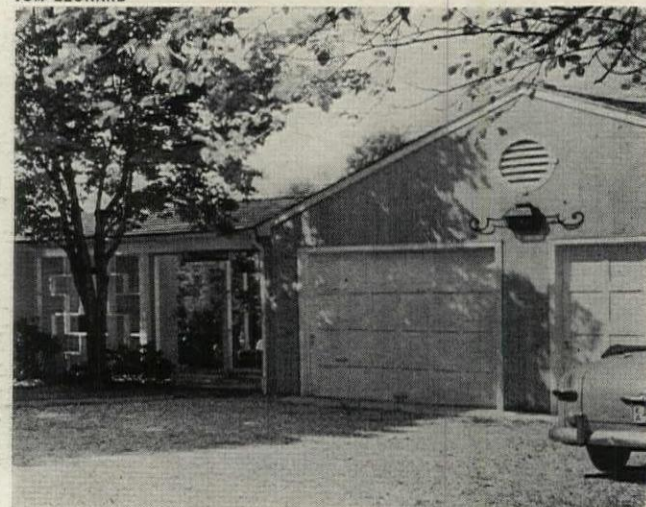
DOUBLE-DUTY GARAGES, continued from page 22



RUDI RADA

A carport with a decorative grille puts up an attractive front and shortens the driveway of this house in Florida. Carport raises master bedroom for breeze, view. Architect, Marion I. Manley.

TOM LEONARD



Front two-car garage and connecting breezeway with trellis give House No. 6 (shown on page 44) an expansive, spread-out feeling and enhance the over-all design. Burton A. Bugbee, architect.

SCOTT HYDE



A garage built into one side of this Norman French house in Connecticut fits in with the over-all tradition design. Court is a convenient service yard. Wyeth and King were the architects.

Bring along a doubting husband when you're looking for your new kitchen . . .



Ask the family "expert" to compare the baked-on enamel finish, sound-proofed doors, and welded steel construction!



Then let him see the smooth, easy-to-clean surfaces (no dirt-catching handles); rounded seamless drawers.



Show him the 15% bigger sink bowl, (no ledges to catch dirt); gigantic storage space, vinyl tops.



And then let him look at the work-free American Kitchens Roto-Tray Dishwasher! Is he convinced? You bet!

LOOK! COMPARE!

You'll Pick "American Kitchens"

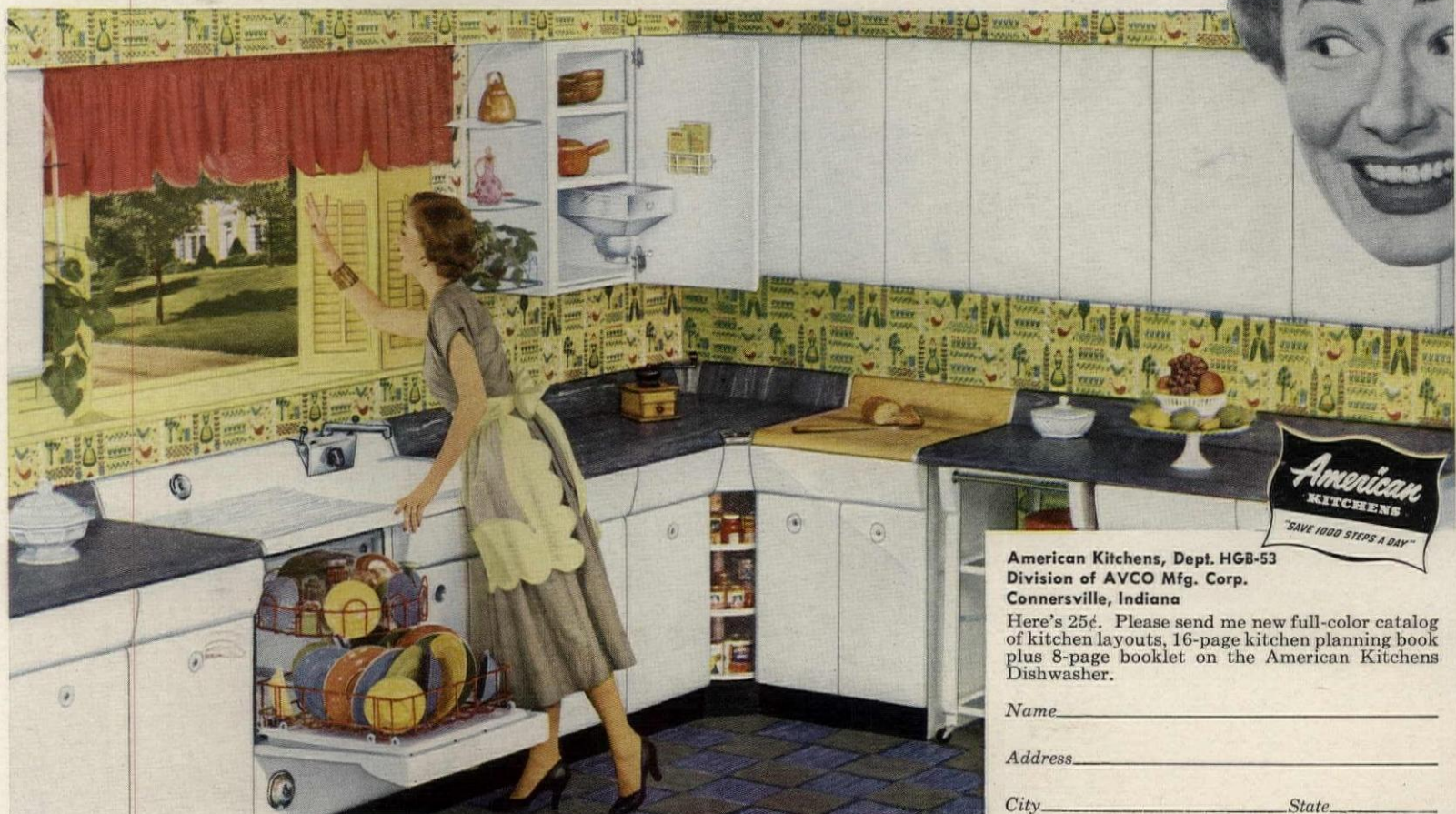
Finest Construction...More Work-Savers...YET COSTS LESS!

When you look for your new kitchen, be sure it's a work-saver, not a work-maker! Compare the work-saving features, the construction, the beauty. Pick American Kitchens—with the modern, body-contour design made for working comfort; the smooth easy-to-clean surfaces; the exclusive features that cut your kitchen work actually hours a day!

And compare dishwashers, too—ask for a demonstration of the American Kitchens Roto-Tray Dish-

washer—watch those swirling streams of hot, hot water scour *every* surface of *every* dish in top and bottom tray. See for yourself how the Roto-Tray washes dishes 3 times cleaner than you could wash them by hand! See how the revolving Roto-Tray makes loading a moment's task, *how two minutes after dinner your dishes are done!*

And find out about the amazing low price, the new easy terms for kitchen and dishwasher, too.



American KITCHENS

"SAVE 1000 STEPS A DAY"

American Kitchens, Dept. HGB-53
Division of AVCO Mfg. Corp.
Connersville, Indiana

Here's 25¢. Please send me new full-color catalog of kitchen layouts, 16-page kitchen planning book plus 8-page booklet on the American Kitchens Dishwasher.

Name _____

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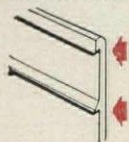
*Y*OUR WALLS will have this colorful, sparkling beauty for years to come—and inexpensively, too—when you tile the modern way with famous-for-quality WILSON LOCKBACK® PLASTIC TILE.

WILSON Plastic Tile *can't* chip, craze, crack, or peel . . . colors go *through* the tile, won't fade or wear off. Wilson tiles are made of virgin polystyrene, and they carry the hallmark of the U. S. Dept. of Commerce Bureau of Standards for flawless, uniform quality.



Write for your free, full-color Wilson Folder B33 to help you plan your beautiful walls with WILSON Lockback Plastic Tile. And, for budget installations, ask about Wilson's Econ-O-Tile.

ONLY WILSON offers the famous "Lock-back" feature in plastic wall tile. See that 45° undercut on edges and ribs—that means your Wilson tile *locks mechanically* to the wall; requires less mastic



than ordinary tiles. And the reinforcing ribs positively prevent "dishing" or "cupping".

WILSON PLASTICS, INC. . . . Sandusky, Ohio

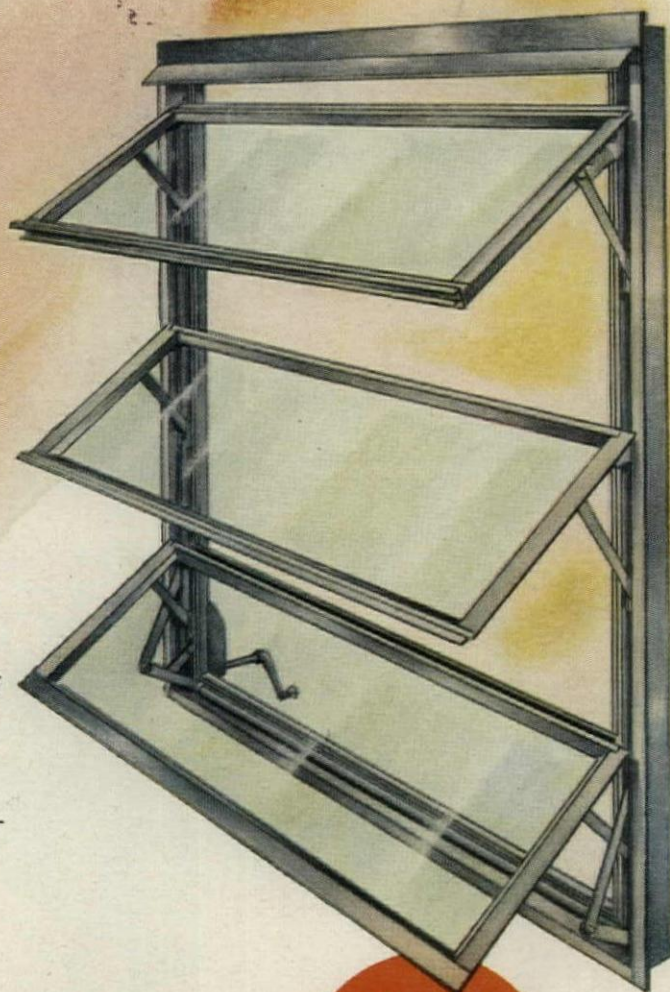


for the lady of the house

Planning a new home?...Then, you'll want to know about all-aluminum Miami Awning Windows. Slim lined, bright and beautiful, they fit perfectly into modern home design.

You'll love Miami Window's smooth balanced operation—the easy glide of glass vents as they open wide for *full ventilation*. You'll enjoy new winter warmth, because Miami Windows are *weatherstripped* and draft-free....A special note—no more stretching—your Miami Windows are cleaned easily from the inside.

Here's a window in every way designed for you
...the lady of the house.



MIAMI
Awning
WINDOW



and the man of the house too!



- Here are 3 big advantages he'll appreciate:
1. Miami Windows never need painting.
 2. Screen and storm sash are installed from the inside.
 3. Windows are wonderfully low priced.



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Miami Window Corporation of Mississippi — Key Field, Meridian, Miss.

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FILL IN AND MAIL TODAY!

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Sirs: Please send me your special window booklet,
telling me all about Miami Awning Windows.
Thank you.

NAME

ADDRESS

CITY ZONE STATE

EVERY MODERN HOME NEEDS..

All 3 NuTone Products



NuTone Ventilating Fans for
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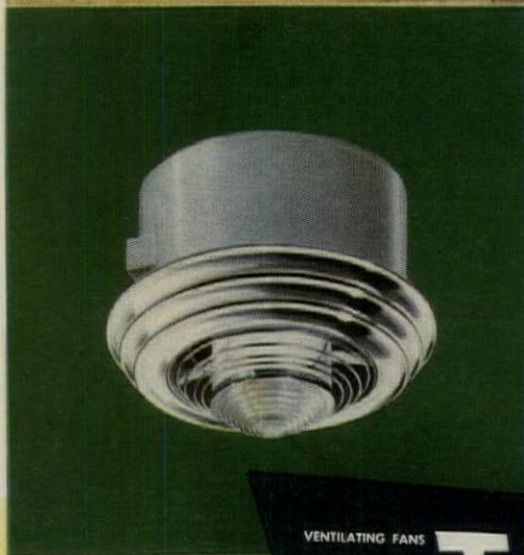
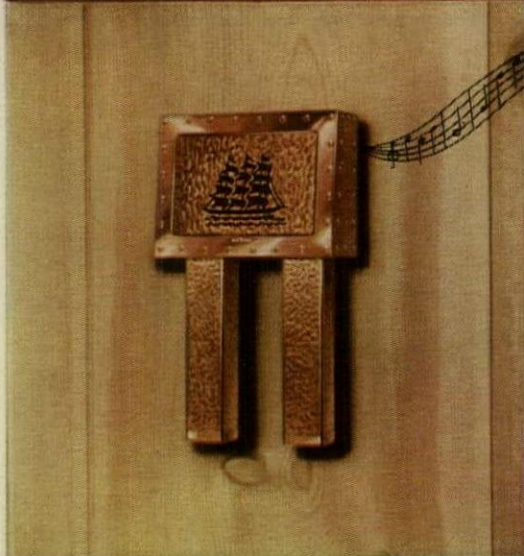
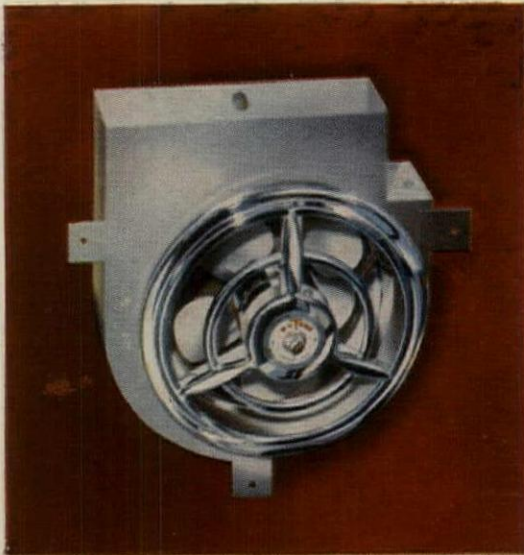
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House & Garden's

BOOK OF BUILDING

1953

by the Editors of

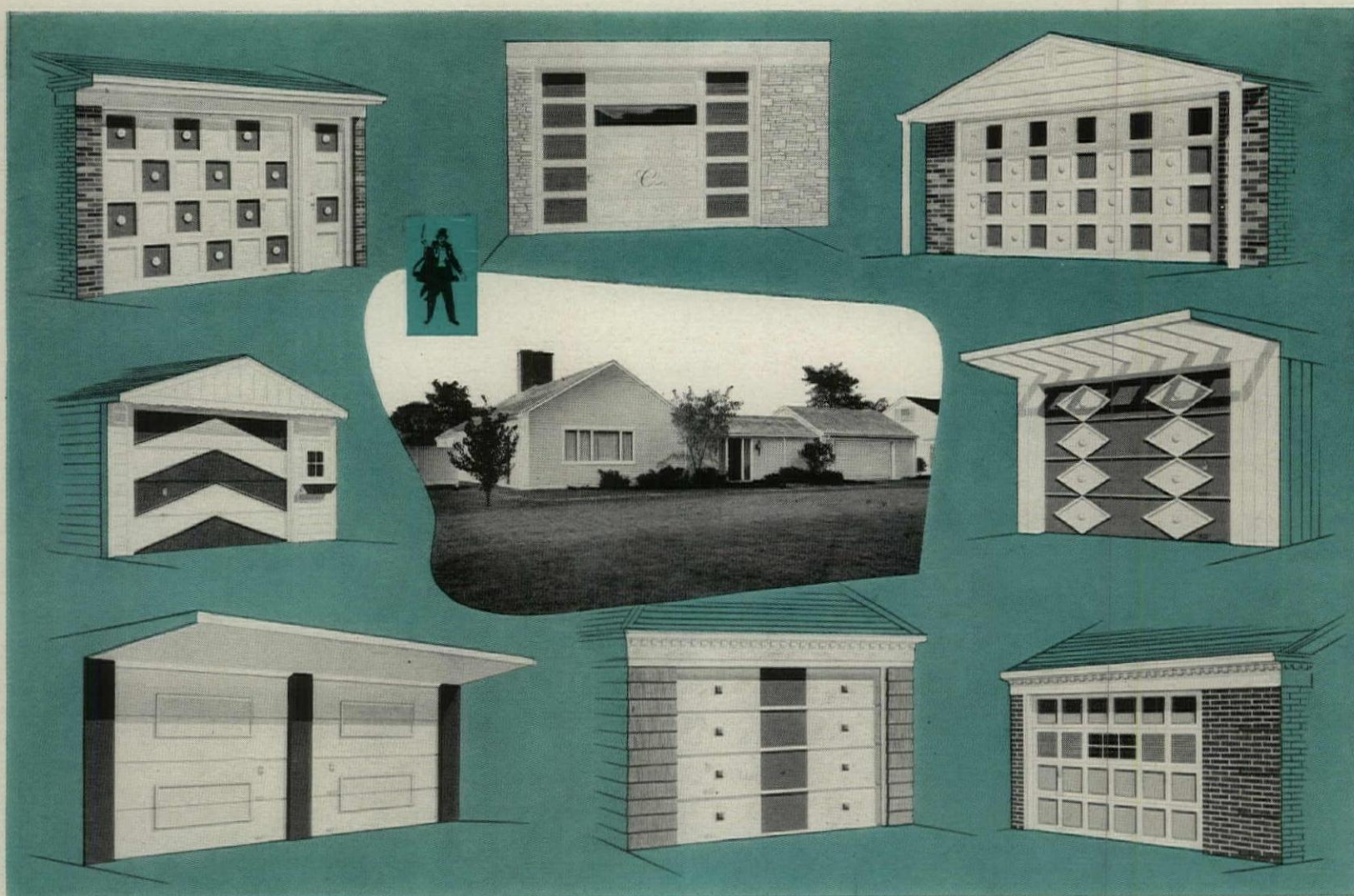
House & Garden

The material in this book originally appeared in the regular issues of HOUSE & GARDEN. We have assembled it and brought it up to date so that you will have, in one convenient book, ideas for building or remodeling, practical information on how to go about it. If you want any additional information about the houses and articles in this book, write to House & Garden's Reader Service, 420 Lexington Avenue, New York 17, N. Y.

COVER ILLUSTRATION, by Nowell Ward, shows a house in Joliet, Illinois, by Jerome Robert Cerny. More pictures of it on page 32.

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The Door of Ideas for Your House of Ideas

You can thank the automobile for making the garage door the new "front door"—the one that everybody sees first when they drive into your driveway. And, you can thank Crawford for creating doors that enable you to bring distinctive design and rich and beautiful color to this large and often neglected area—the garage frontage. It's easy to get distinctive effects with Crawford Marvel-Lift Doors. In HOUSE & GARDEN'S House of Ideas (above, center) the radio-operated, double-width Crawford Marvel-Lift Door is finished in siding to match the house. The surrounding designs are produced by applying Crawford decorative

rosettes, moldings and false louvers to standard, stock Crawford Marvel-Lift Doors. The result is "decorator doors" at much less than such doors have ever cost before. (And, of course, all these doors have the easy operation which has made them America's favorites for nearly a quarter century.) Our new full-color brochure "CRAWFORD CUSTOMIZED DESIGNS" will be sent free on request. If you enclose 15c, we'll include our new booklet, "HOW TO PLAN YOUR GARAGE," full of interesting, helpful ideas. For quick information on garage doors, call your local Crawford Door Sales Company listed in your classified phone book under "Doors."



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What kind of living will your house give you?

Last year more than a million houses were built in this country. An equal number is forecast for 1953. No statistics are available, however, to foretell how well these new houses will live up to the high hopes of their owners. How comfortable will they prove to be? How livable? How efficiently will they work, and how much care and upkeep will they need? Will they be better than houses built in earlier years? All these questions are of vital import to you if you are a prospective home builder. Unless you know what to look for, unless you know what today's values are when you face planning problems and the choice of materials and equipment, you won't know how to judge. And good judgment is vital on decisions that will affect your comfort and pocketbook for the rest of your life.

The purpose of this book, HOUSE & GARDEN's third Book of Building, is to help you achieve the best house possible, whether you plan to build a new house or remodel an old one. In its pages you will find photographs and plans of 40 houses. There are large houses and small ones, houses of modern and traditional design, houses which combine features of both. They are selected from all parts of the country and solve the problems of different climates. There is also a comprehensive series of articles on building materials, methods, and equipment. We brief you on every phase of the home: heating, lighting, insulation, painting, summer comfort and sun control, storage, wall and floor materials, bathroom, kitchen, and laundry planning, waterproofing and moisture control, garage design, equipment to save time and labor, etc., etc. Presented in layman's language, these articles are a handy source of reference material.

Last year the government limited new home building because of the shortage of metals needed for defense. There were also government restrictions on mortgage loans. This year these inhibiting factors have been lifted, and you are free to build the house of your choice. The only limiting factor today—and it is not a new one—is your bank account. Building costs have not come down and are not likely to do so appreciably. But with ingenuity you should be able to get the house you want for the money you can afford to spend. This book offers you object lessons in simplification and adroit planning.

ALBERT KORNFELD

Editor-in-Chief

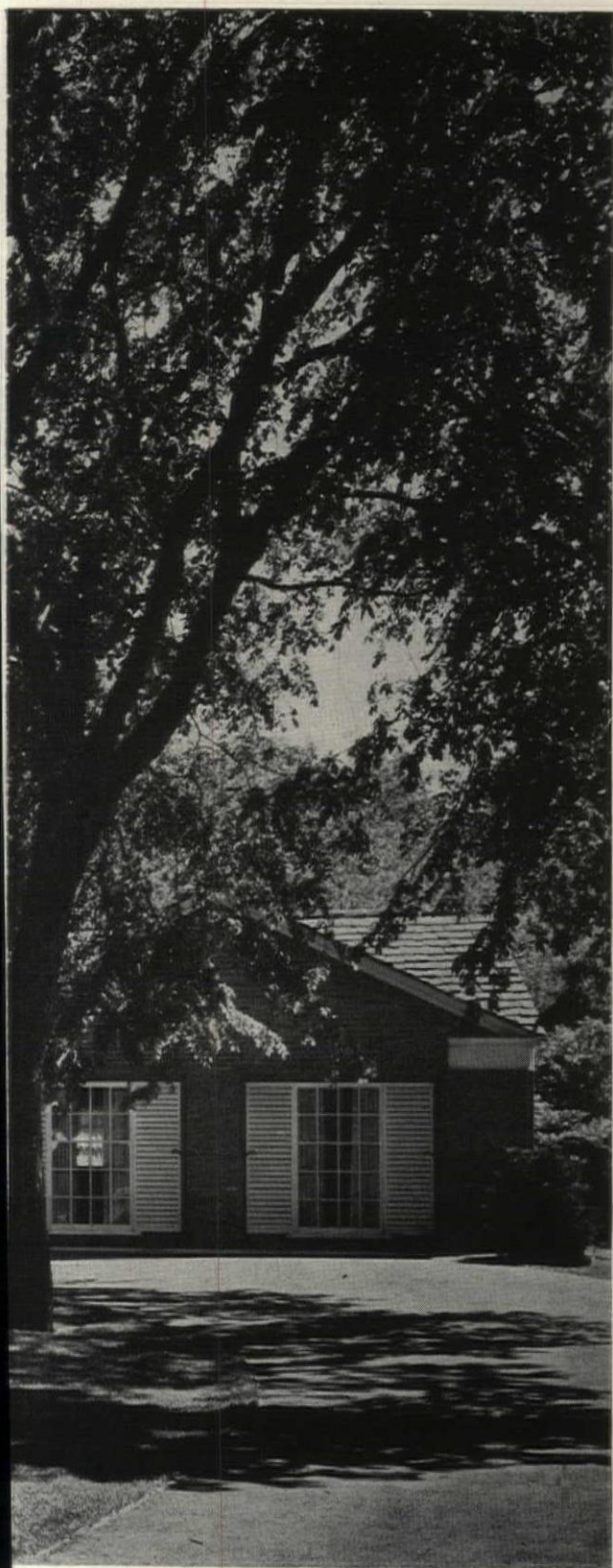
SECTION A *Year-round houses*



The street side of the house makes good use of decorative detail; boxwood edges the paved terrace in front of entrance



The garden side of the house has a large bow window at one end of the living room and large window areas on the all-purpose room. Both show that the modern "window wall" can be adapted to a traditional house.



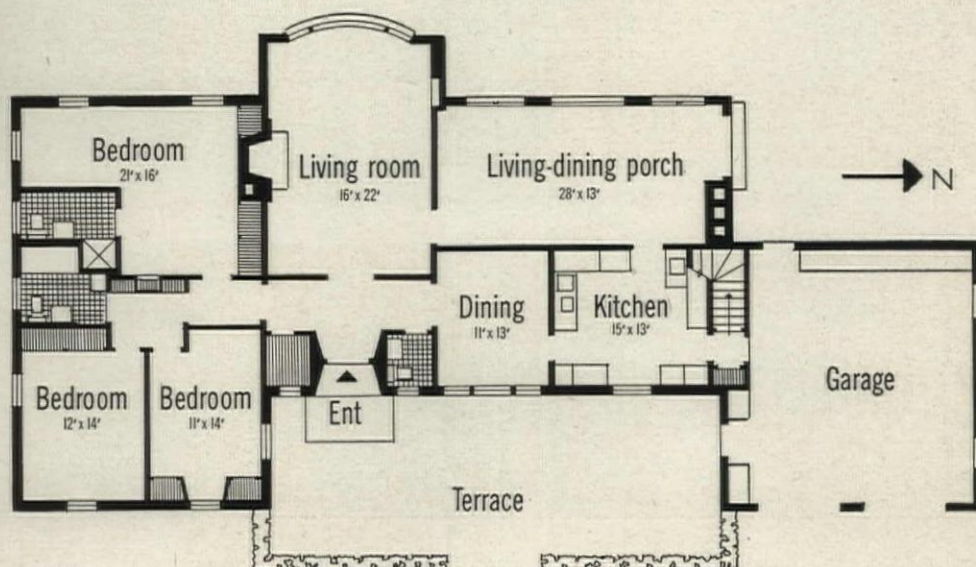
HOUSE NO. 1

This house makes the most of old and new ideas

Main rooms face the back garden away from the noise of the street; all-purpose room saves wear-and-tear

If you like the look of traditional architecture but want the convenience of modern planning, this house in Joliet, Illinois, will interest you. In an area of 2,600 square feet it combines a classic exterior with a flexible, up-to-date floor plan. Although it has a conventional entrance hall flanked by coat closet and powder room, its main living centers around the rear garden. The living room overlooks it from a traditional version of the modern window wall. An adjoining all-purpose room with windows all around is used for television, movies, cards, games, and lounging. Its walls are paneled in spruce and a table can be set up in front of the fireplace for informal meals. From here you can step out onto a grass terrace sheltered by the back wall of the garage. Throughout the whole house, the extra-high ceilings give an air of spaciousness. Double, paneled front doors, painted Delft blue, and tall corner lanterns give a welcoming look to its façade of pink brick, white trim. *Building data, page 209.*

JEROME ROBERT CERNY, ARCHITECT



Flexible floor plan shows children's rooms, dining room, kitchen, garage on the front of the house. Kitchen is handy both to dining room and all-purpose room in back.

HOUSE NO. 2

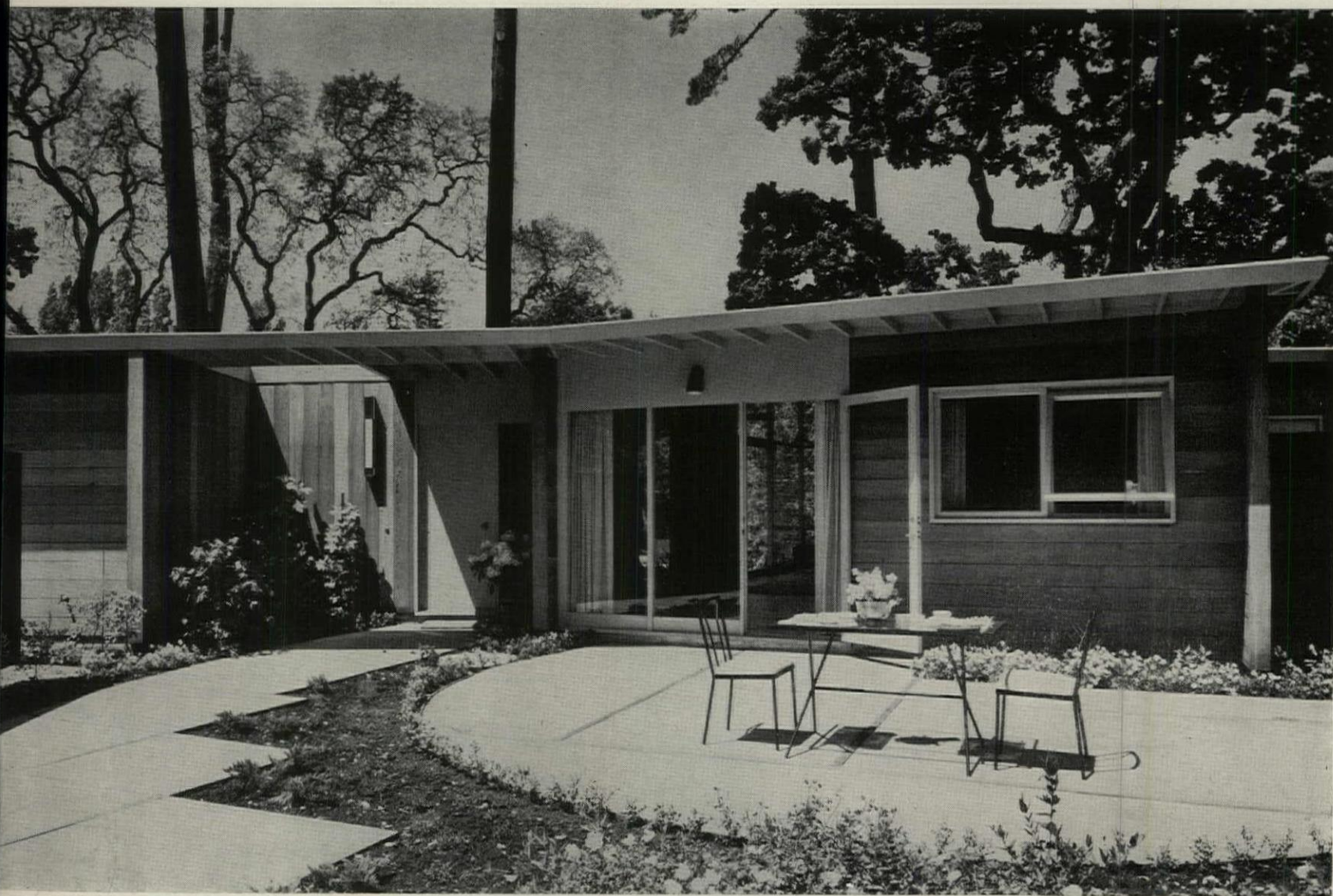
Choose your site shrewdly; angle your house to make the most of it

Don't be afraid to buy an irregular "problem lot"; it often allows you to plan a more distinctive house

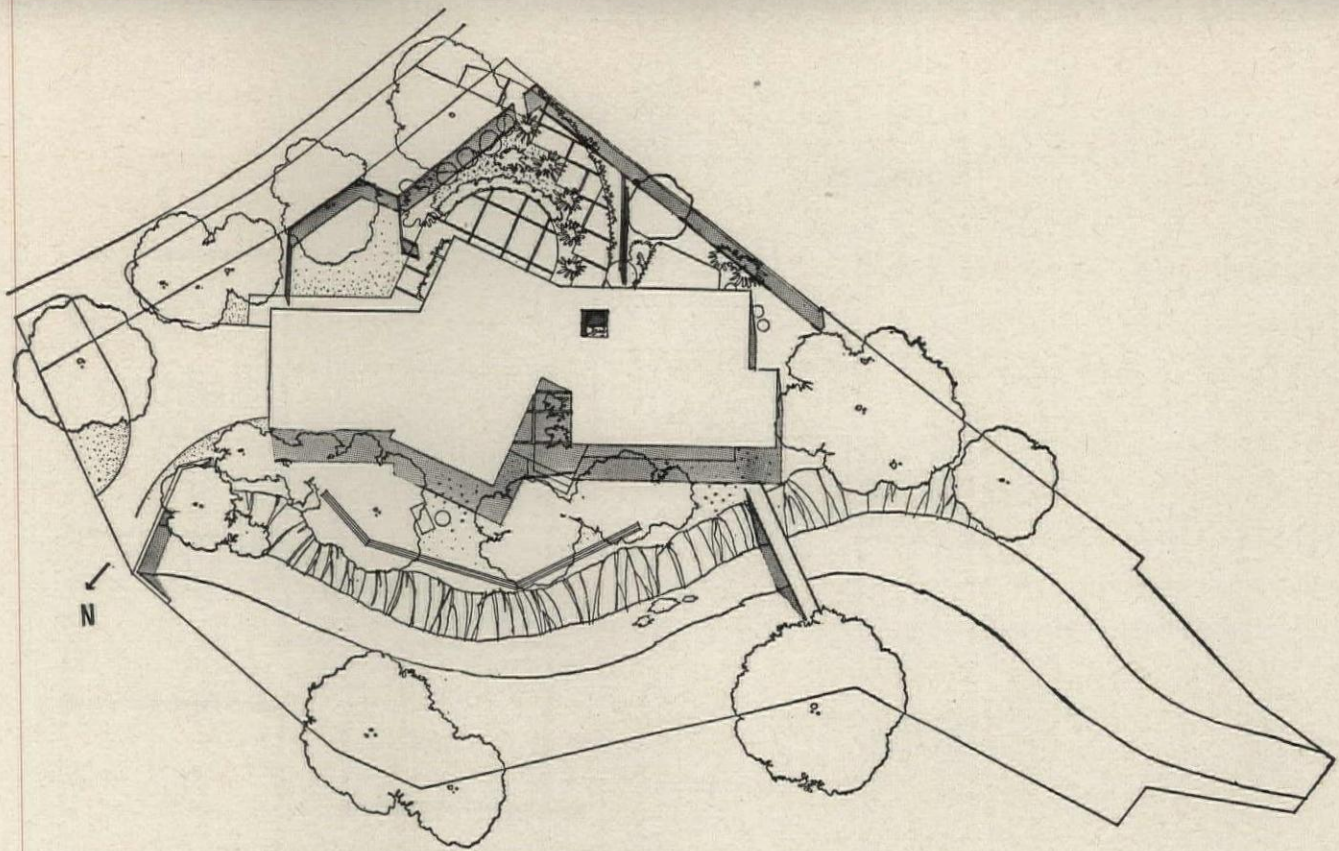
Separate wings enable you to have an open living room, closed bedrooms

An adroitly-placed pass-through makes outdoor meals easy to serve

The land on which your house is built is as important as the house itself. It can either restrict your living, or add all the attractions of nature. Even a difficult lot can often inspire an unusually attractive house. If you find an awkwardly-shaped site with beautiful trees, or a stream, adapt your house to it even if this means an irregular floor plan. For example, this house in San Mateo, California, spreads its 1,620 square feet over a wedge-shaped site. But the site has huge oaks and pines, slopes down to a stream. An ingenious floor plan turned the natural problems of the site into decided advantages. *Continued on page 36*



Surrounded by oaks and pines, this house can have an outdoor dining area right in front because it is screened from the street by fences of rough redwood strips. The walk leads to the front door, at left. Glass doors open from dining room. An irregular walk marks off the outdoor dining area, creates an interesting shape for imaginative flower plantings. Kitchen windows are at the right.



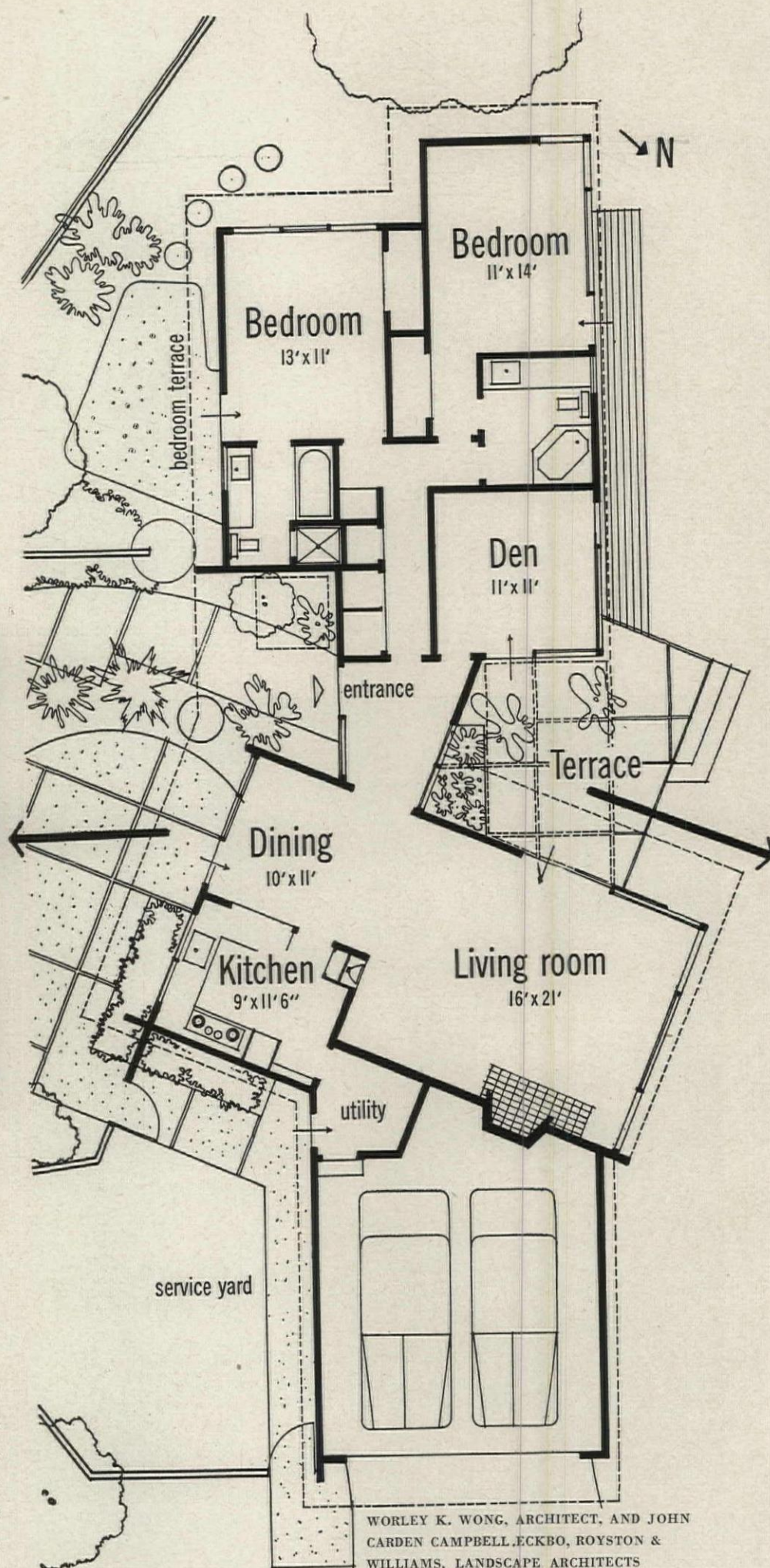
Irregular site, above, was a triangle, called for an unusual plot plan. It resulted in a truly original house, with separate living and sleeping wings, an excellent outlook.

ROGER STURTEVANT



At the back, the living room turns on its axis to command the stream view. Glass-walled, in fact almost an open pavilion, this room has a feeling of spaciousness. Grass-cloth walls, asphalt tile flooring in salmon pink are fresh color accents; clerestory windows add light, aid ventilation. At right are the owner's study and bedroom wing. Land in foreground includes stream.

Thanks to a unique floor plan created specially for an unusual site, this house has 4 separate and distinct outdoor living areas



Pass-through from kitchen to dining room, directly inside door that opens on the patio, makes it as easy to serve meals outdoors as in. Pass-through also works as a bar.

Fitting a house between trees on a sloping, pie-shaped corner-lot resulted in a design twice as effective as the customary rectangle. Living and sleeping wings are entirely separate, connected only by the central entrance and corridor. There are four completely private outdoor living areas: (1) the rear terrace shared by living room and den, which looks toward the stream; (2) outdoor dining patio in the front; (3) a front bedroom terrace; (4) the service yard near the garage. The kitchen is compact; you can go from it right into the dining room and out to the dining patio, into the service yard, to the garage. *Building data, page 209.*

Looking into the open living room, opposite, it is hard to tell where house ends and vista begins. Grass-cloth lined walls indoors, lime green paint on the exterior, add to the sense of oneness with nature. By contrast, there is a cozy sense of enclosure in study, bedrooms. A radio-phonograph in the study is connected by speaker to living room and patio, sends music to listeners outdoors.

ROGER STURTEVANT





Sliding glass walls expand the rooms of a small house in two ways: they open the house to the view and give every room easy access to pool or patio.



HOUSE NO. 3

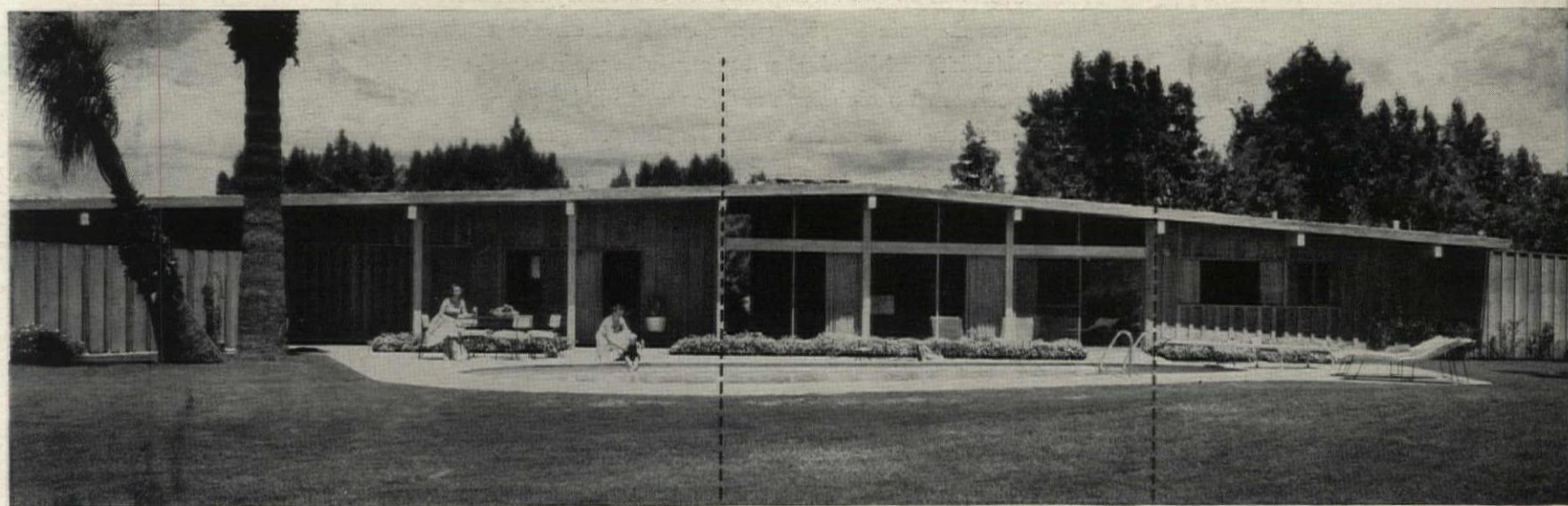
Sliding glass walls make a sociable house

From every room you step right into the patio, which then becomes the center of entertaining

One space-saving unit contains television, radio-record player, movie projector, bar

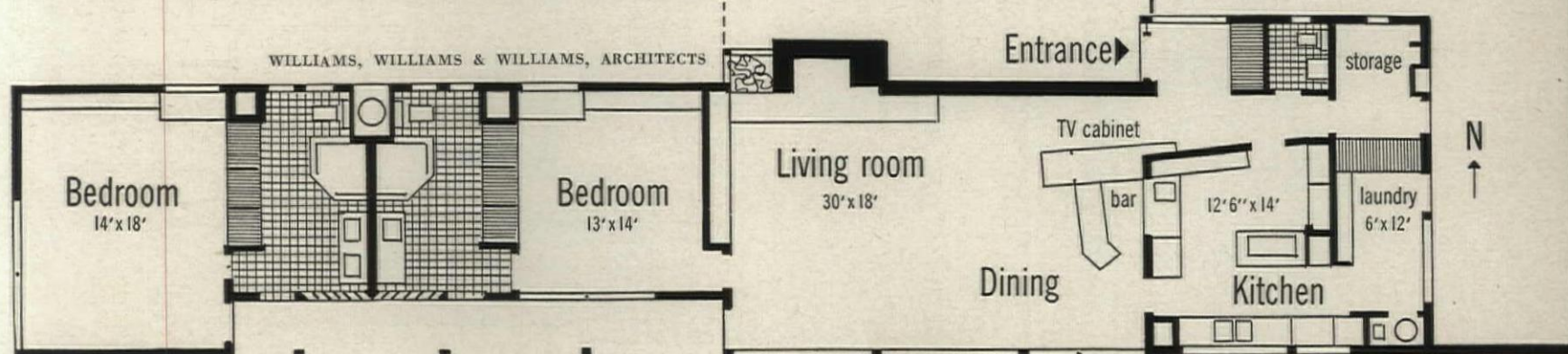
Meals can be served at the edge of the pool, in front of the living-room window, or beside the fireplace

If you intend to share your house with frequent guests, the rooms should be uncluttered and adjustable to entertaining. You can gain freedom to move around by limiting your furniture to pieces you actually use and by having cabinets tailored to store everything you need right where you need it. If you live in a temperate climate, you can open your rooms directly onto a patio so that parties can overflow out-of-doors. This small house in Palm Springs, California, turns its back on dust storms from the north and faces the sun, the pool, and the mountains through sliding glass walls. Living room and patio become one large entertaining area, and the kitchen is easy to reach. The low-pitched roof sweeps beyond the walls to keep the rooms cool. Wall and floor materials were chosen for easy upkeep. House has 2,300 square feet. *Building data, page 209.*



SHULMAN

WILLIAMS, WILLIAMS & WILLIAMS, ARCHITECTS



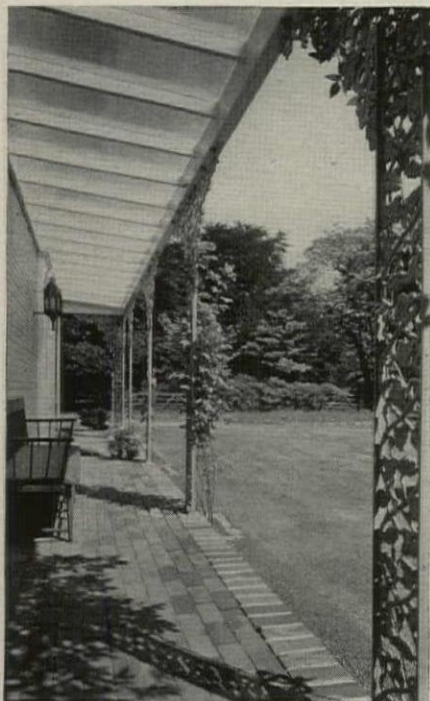
Built-in conveniences save floor space in this house. At one end of the living room, a swivel TV, radio-record player, and movie projector equipment share a cabinet. Behind this are shelves for glasses, and a bar. From there, it is only a few

steps to the kitchen for ice cubes and hors d'oeuvres. Meals are easy to prepare because cooking units are in an island counter. Master and guest bedrooms each have a large bathroom; two-way closets between bedrooms and baths save steps.

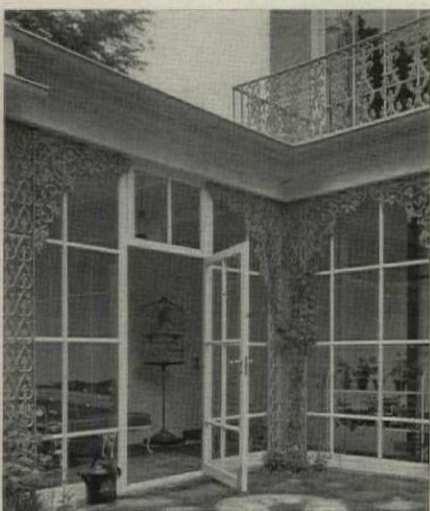
HOUSE NO. 4 Yesterday's charm can be combined with today's comfort

A combination of pink brick, gray shutters, and a graceful Georgian

doorway create a nostalgic note in a traditional house



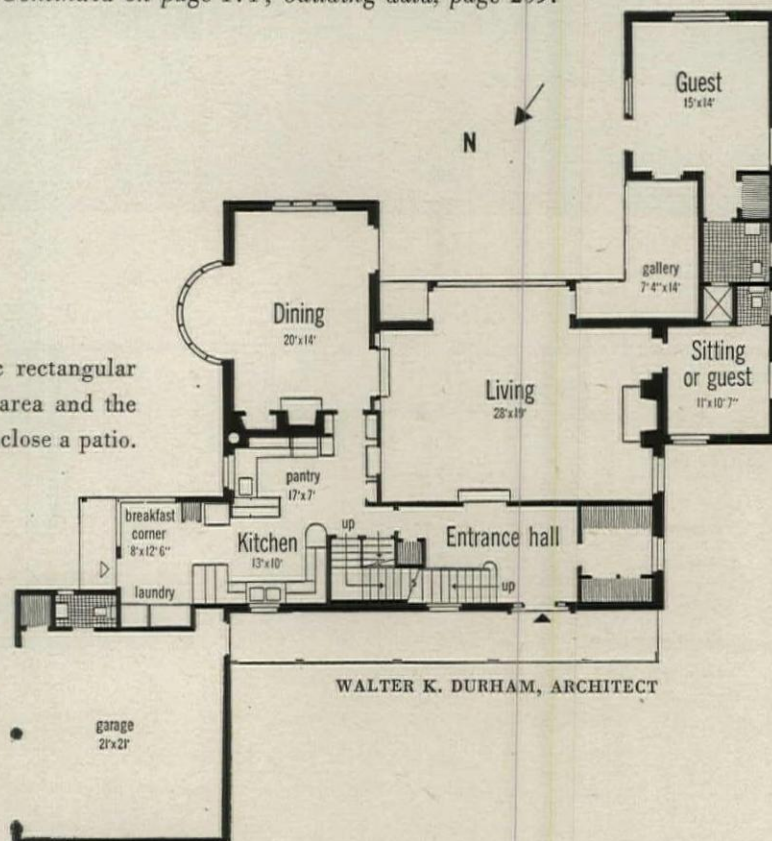
Entrance loggia of wrought iron in grape design spans the house front, is painted gray and entwined with tea roses. Note the translucent glass roof which admits light, provides protection.



Sun-flooded corner porch joining private guest wing, left, and living room, right, is an enclosed porch in winter. When glass panels are removed, it opens into living patio and a small garden.

For centuries ardent travelers have brought home nostalgic memories of their journeys. The Bryn Mawr, Pennsylvania, house shown on these pages vividly echoes the romantic pink of beloved Bermuda houses and the old ironwork of colorful New Orleans. Within a familiar Georgian exterior, the architect has designed a flexible, up-to-date floor plan, making full use of easy-upkeep materials and providing a lot of built-in comfort. As a result, this house is particularly suited to living or entertaining on either a large or a small scale. Its dramatic pink façade, broken by a graceful Georgian doorway, wrought iron porch, and a row of gray shuttered windows, meets an entrance court wide enough for parking. The center of the house is a large living room, opening into a separate dining room. Both look out through traditional versions of the modern window wall to the rear patio and garden. Guests enjoy quiet and privacy in a one-story bed-sitting room wing away from the main sleeping quarters of the house. An efficient service L combines kitchen, laundry, and pantry with modern pull-out refrigeration and a concealed pass-through and bar to the living room. Traditional furniture is at home with 18th century English pine paneling and modern window walls. A decorative entrance loggia of ironwork, roofed in translucent frosted glass, provides a covered passage to the attached garage. The wrought iron is repeated on the garden side of the house in a gallery and enclosed winter garden. Removable glass panels merge this protected cold-weather sun-pocket with the patio in summer. *Continued on page 171; building data, page 209.*

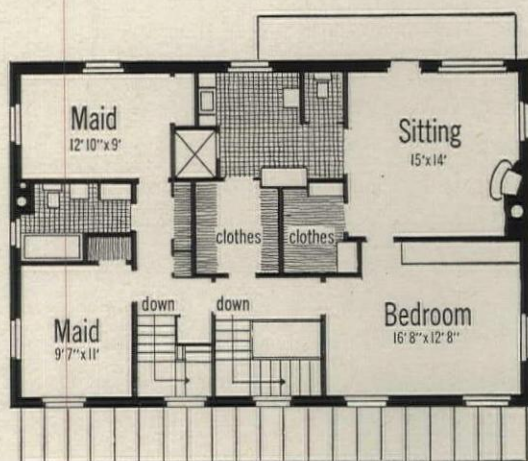
First-floor plan shows basic rectangular design with jutting service area and the guest wing which helps to enclose a patio.



TOM LEONARD



Front of house, facing gravel drive, turns away from street, has ample parking space. Coat closet, entrance hall, and kitchen are on this side; main rooms turn to garden at the rear. Gray and white trim sets off Bermuda pink walls. At the left is a two-car garage.



Upstairs plan utilizes master bathroom and twin wardrobe room as a natural divider between owners' area and two maids' rooms. From the sitting room adjoining the master bedroom, you can step out on to the wrought iron balcony overlooking the garden.



Spacious dining room for entertaining looks out through large bow window wall. Mauve walls and pastel gray rug are a good foil for the dark English mahogany antiques. The fireplace seen in the background has a rare German silver front.

Terraces run the entire length of the house, adding outdoor extensions to the living and dining rooms, study, and master bedroom.



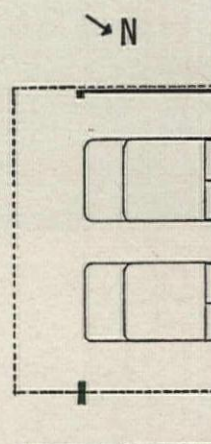
HOUSE NO. 5

An open plan with few partitions makes this small house more flexible and livable

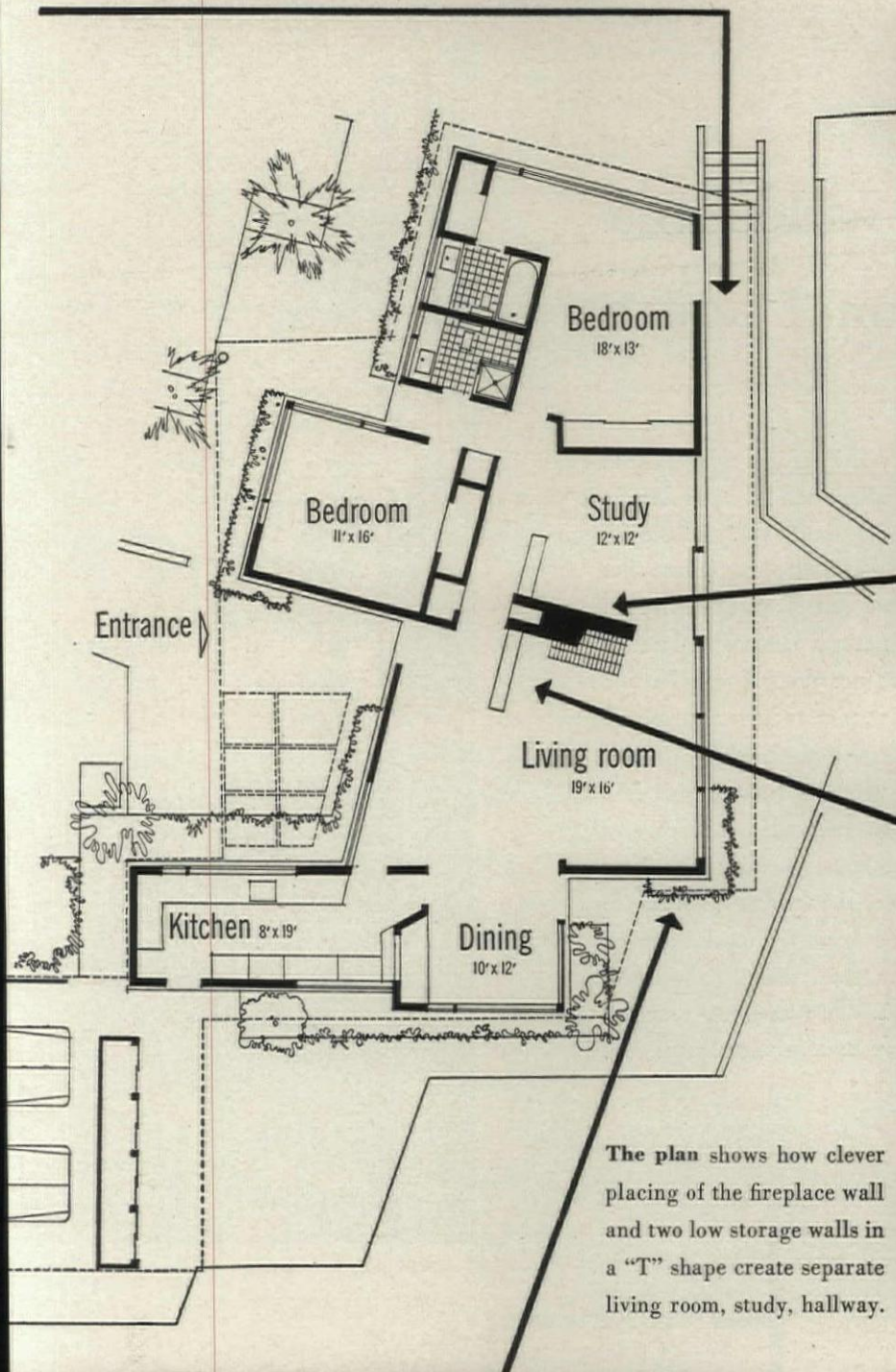
*Separate rooms are created
in a large space
by clever use of dividers*

*A boy's bedroom with its own
bath and outside door
encourages a feeling of independence*

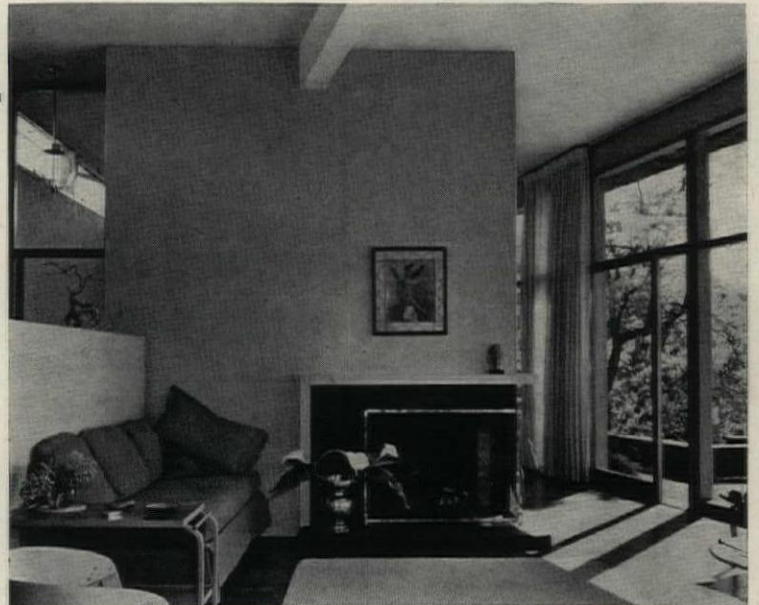
The most common doubt about an open-plan, glass-walled house (on the part of those who never have lived in one) is a fear that it will not afford much privacy. Glass walls make some people feel as though they were living in a department store window. An open plan seems anything but cozy. This small house in Palo Alto, California, was built for a writer, his musical wife, and their 15-year-old son. It has glass walls and an open plan. But it is plainly a family affair, with as much warmth as an enclosed house. The living area is actually one big room, resourcefully divided by low partitions and skillfully-placed furniture into separate centers for dining, music, study, conversation. Dividers keep the open feeling while screening off each area. Son's bedroom and bath are arranged like a separate apartment. 1,735 square feet, exclusive of carport. *Building data, page 209.*



• Ingenious use of fences, vines, overhangs creates a warm, inviting entrance



Built-ins take little room, provide full storage for a library (bookshelves line living-room walls and study), for a radio-phonograph, and a large record collection. In the study, a built-in desk is for letters and bills; the owner, who is a writer, has a separate studio.



On living-room side of fireplace, above, furniture is placed to help divide areas; piano screens the dining room. Heating by electric cables in ceilings saves space usually taken by furnace or boiler, chimney, heating equipment. Clerestory windows create excellent cross ventilation, give daylight on all sides of house.



The dining patio, left, is just outside the glass-walled dining room, a few steps from the kitchen. A pass-through from kitchen to dining room simplifies meal service. Plantings are used at the window wall to help bring an out-of-doors spirit into house all year long.

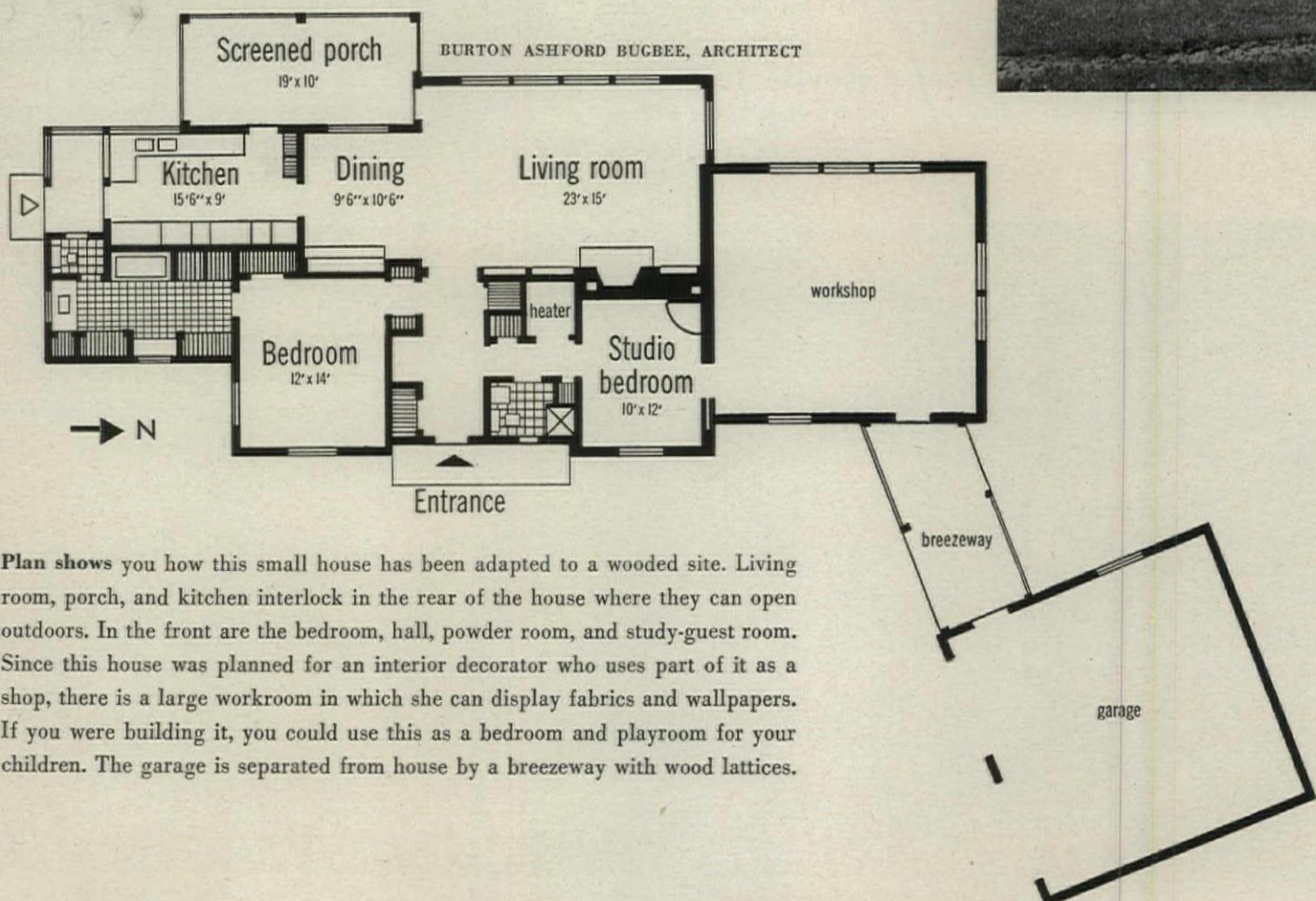
HOUSE NO. 6

Window walls widen and brighten a transitional house

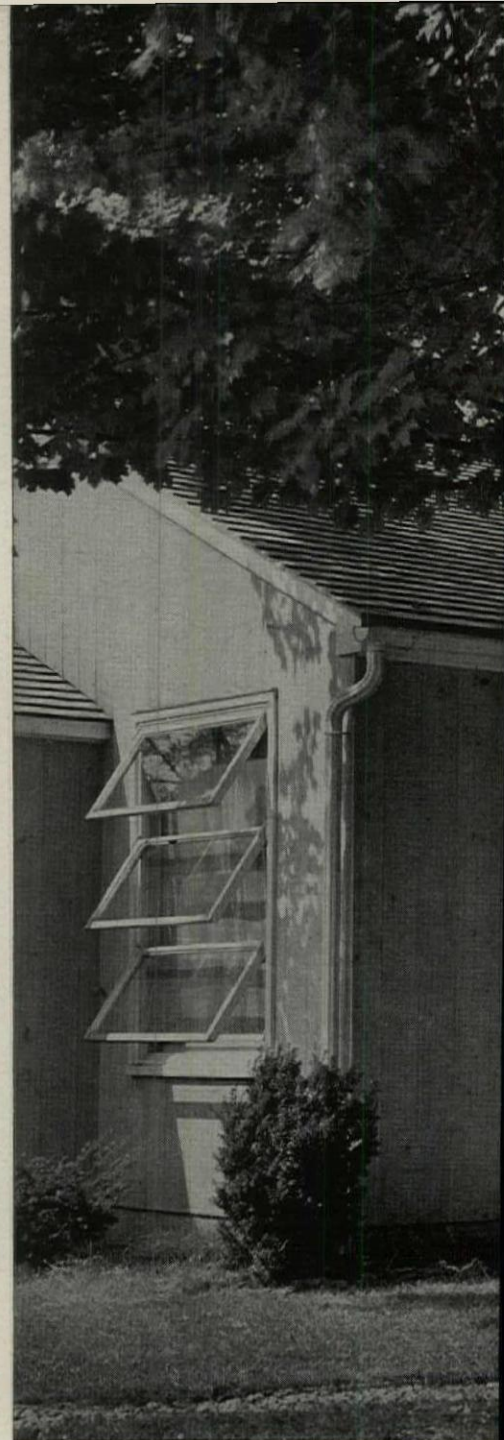
The living room is at the back of the house where a window wall makes a natural mural of the garden

From the road, the house looks as conventional as its 100-year-old neighbors

Part of being a good neighbor is building a house that harmonizes with houses nearby. This can be a problem in a community like Bethel, Connecticut, that is steeped in tradition. Can you have a modern, one-floor house that doesn't look conspicuous? You can if you modify it. First, adapt your plan to the natural landscape, leaving as many of the trees intact as possible. If you have a good view at the back of your lot, plan to have your porch and living room on the rear where you can enjoy greater privacy. You can use simple windows that project like awnings. They provide good light and, what is more, can be left open during rain. In this house, a wall of windows gives the living room a picture of the woodsy countryside on the west and also lets in the breeze. Wide overhanging eaves, together with the existing tree shade, control the warm afternoon sun. There are 1,739 square feet, exclusive of porch, breezeway, and garage. *Building data, page 209.*



Plan shows you how this small house has been adapted to a wooded site. Living room, porch, and kitchen interlock in the rear of the house where they can open outdoors. In the front are the bedroom, hall, powder room, and study-guest room. Since this house was planned for an interior decorator who uses part of it as a shop, there is a large workroom in which she can display fabrics and wallpapers. If you were building it, you could use this as a bedroom and playroom for your children. The garage is separated from house by a breezeway with wood lattices.





Age-old trees help to give the front rooms privacy. At the right is a breezeway to the garage



TOM LEONARD

On the back of the house are a wide window wall and a porch which can be screened in summer



House entrance is in this glass-walled bridge hung between two wings. You walk up the stairs under the bridge and turn up steps leading to door

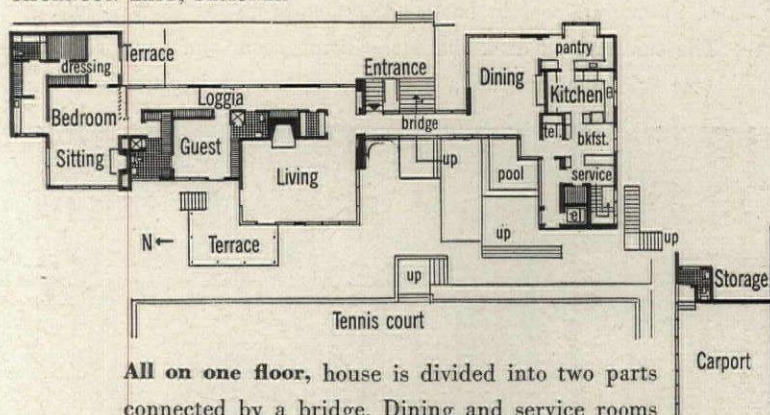
HOUSE NO. 7

Adroit site planning gives this house seclusion

Raised to treetop height on the side of a steep hill, it stands well above ground eye view

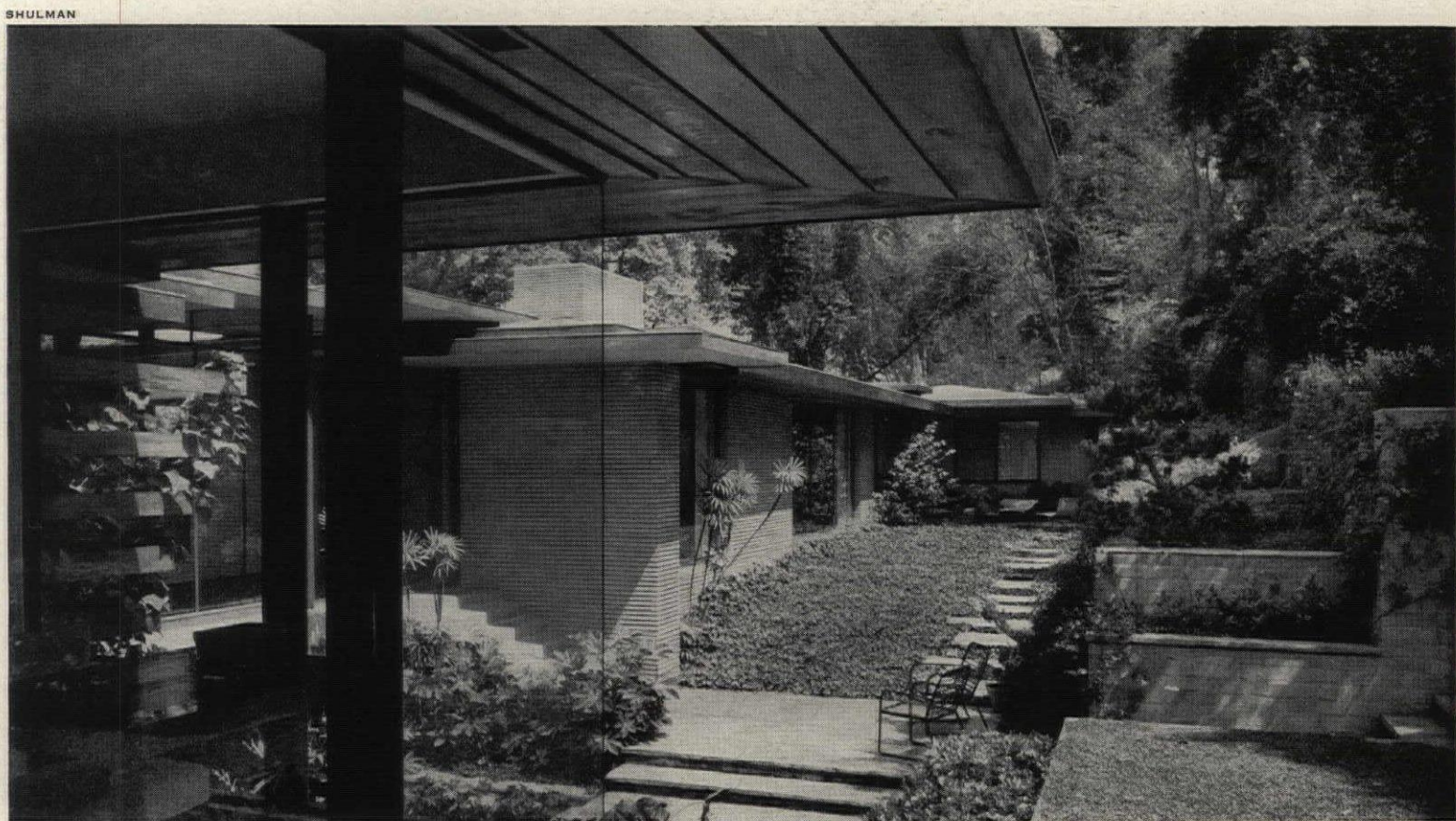
Though this house has glass walls, it gives no feeling of living in a goldfish bowl

THORNTON LADD, DESIGNER



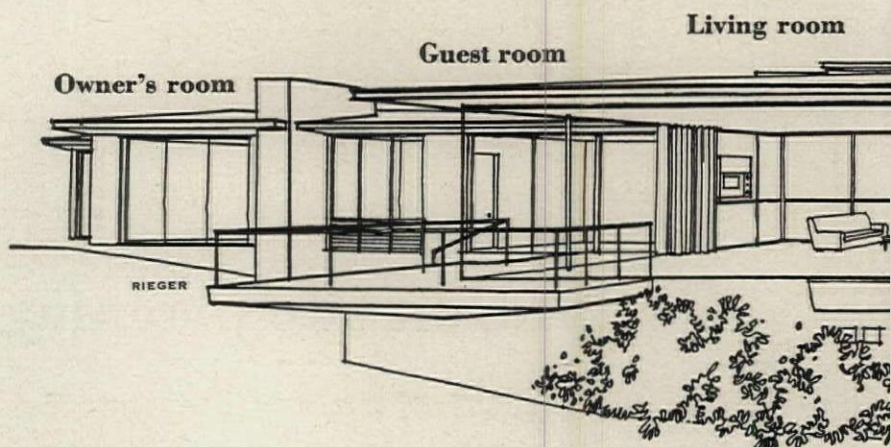
All on one floor, house is divided into two parts connected by a bridge. Dining and service rooms are on the right, living and bedrooms on the left. Servants' rooms are at ground level under kitchen.

This Pasadena house is paradoxical. It has glass walls all around yet it has privacy. It has an open plan with spacious living and dining areas for entertaining friends but thoughtfully includes a sitting-bedroom wing as the owners' private retreat. It is as modern as its glass walls, steel sash, and unornamented surfaces, but it is an appropriate background for the owners' collection of Oriental antiques. Living in this house is literally like being in a castle in the air. Almost the entire front of the house is a glass wall (see drawing on the next page) where you look out through the treetops. The secret of its privacy lies in the fact that its designer set it high on a steep Pasadena hillside site well above ground eye view. He skillfully graded the approach with broad landings and shallow steps so that the house is well tied to its site. Then he devised a very dramatic entrance, a glass-walled bridge hung between two parts of the house. You walk under this, turn, and step up into it. Inside this glass pavilion the dining room, pantry, kitchen, and laundry are on your left. To your right is the broad living room, the two bedrooms, and their terraces. Servants' rooms are at ground level in the kitchen wing. Behind the house there is a secluded garden area and steps leading uphill to a swimming pool. *Building data, page 209.*



The house is skillfully placed so that the hillside shields the rear façade, permitting both window walls and privacy

Raising the house to treetop level gives window walls in all main rooms the best possible view yet does not expose them to gaze of passersby.

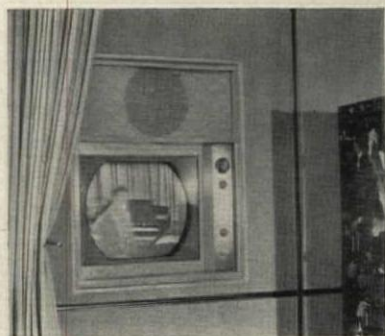
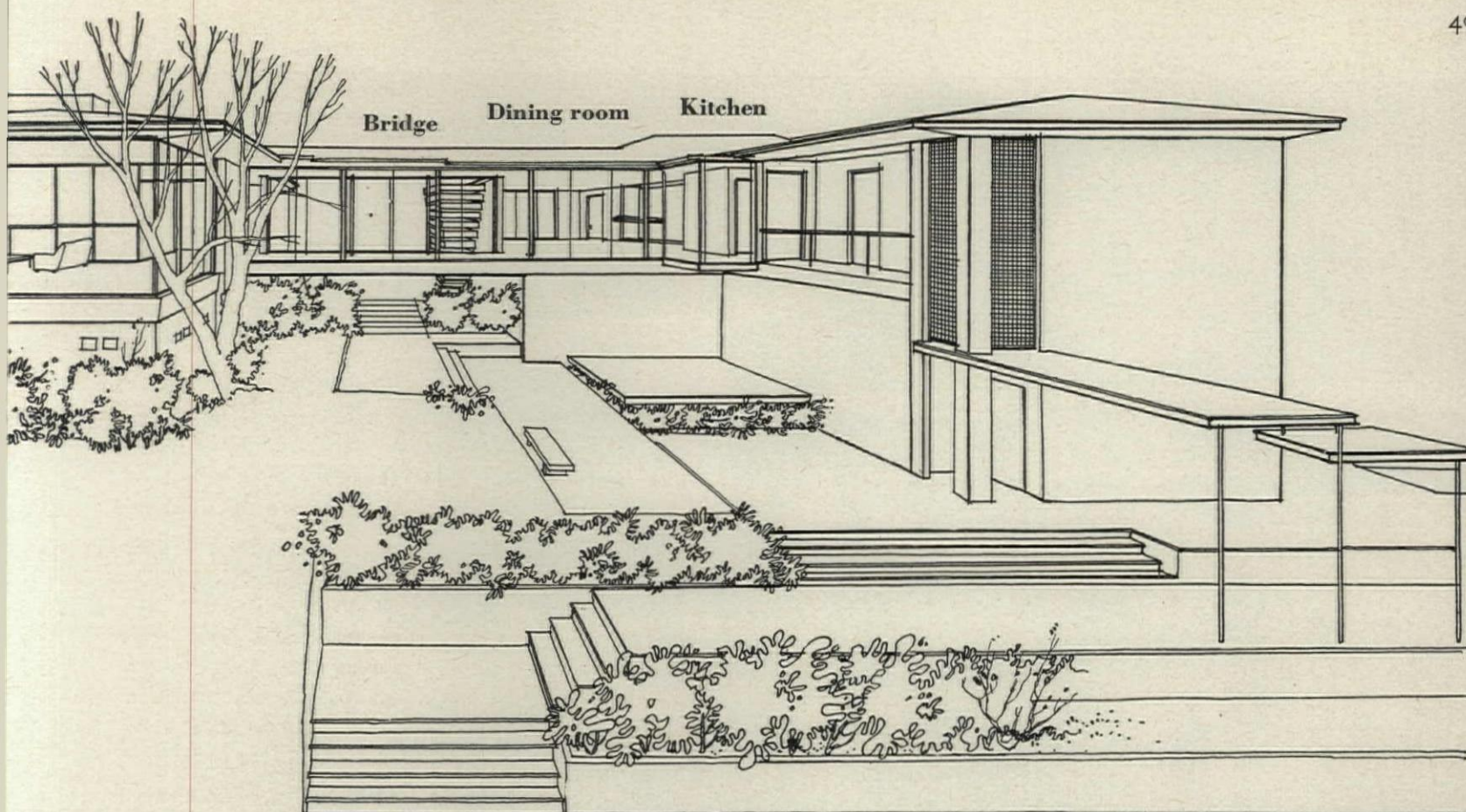


Living room and dining room (located at opposite ends of glass bridge), are spacious and well related for entertaining. Front and rear glass walls give these rooms both light and air. Bedrooms at the end of the house are secluded, linked to the outdoors by front and rear terraces. The sketch shows how the glass walls cover most of house front, capitalize on view obtained by raising house above its site. Underpass lets you go from tennis court in front of the lot to swimming pool in back without entering the house itself. The cantilevered deck shared by living room and guest room (see below) commands a good view of the tennis court below.



Guest room (above) is a sitting-bedroom, has access to a terrace. The front door is unobtrusive—just a sliding glass panel (left). Bridge has brown cork tile floor, leads to dining room. Use of light steel columns to support the roof permits floor-to-ceiling glass walls in bridge. The corner of the house (right) houses a passenger elevator just a few short steps from the carport.



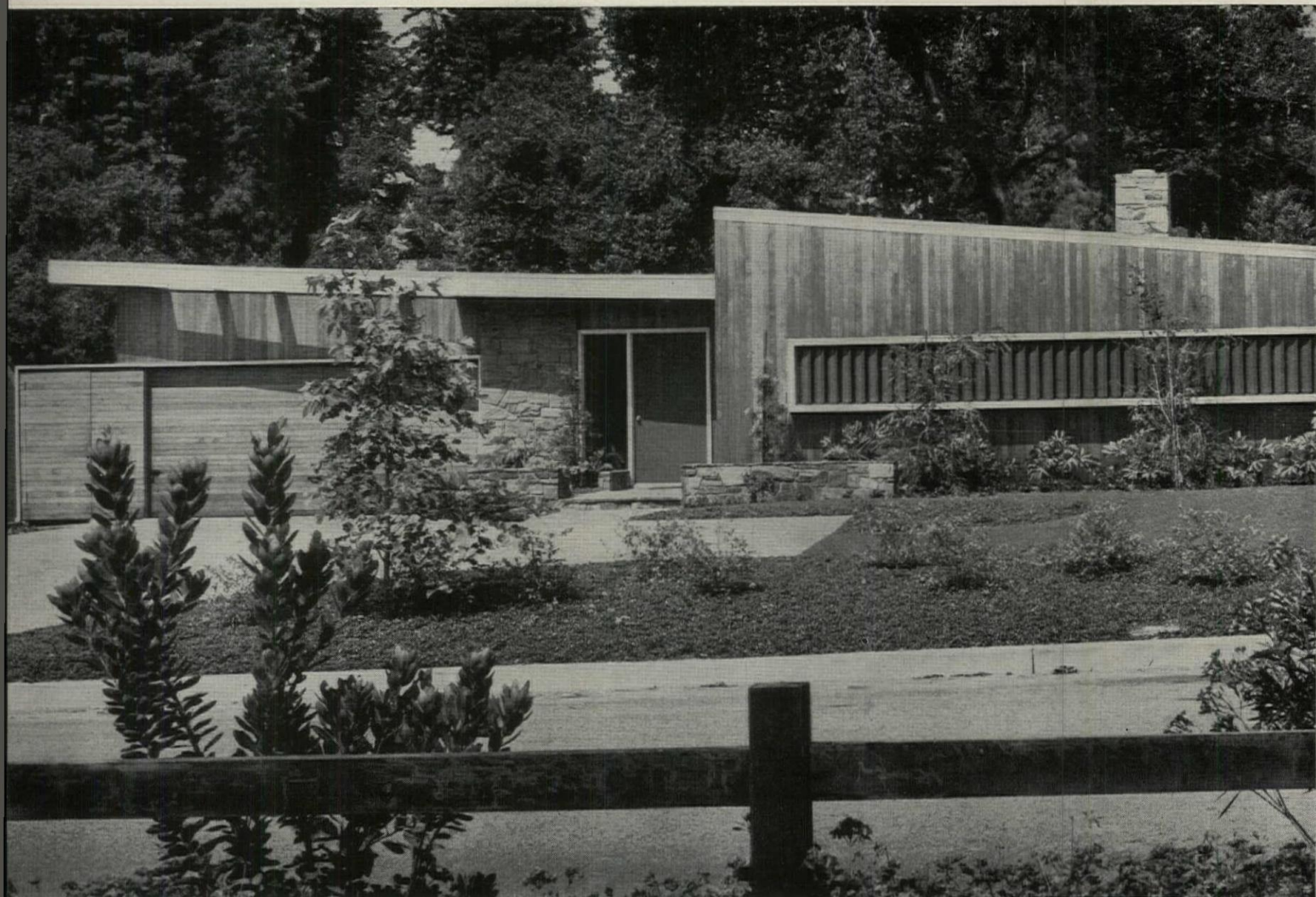


Television built into the living-room wall is concealed during day by traverse window curtains.

More pictures on page 156

The living room (above) has an uncluttered character thanks to wide expanses of carpet and curtains, large scale furniture and wall panels. The pantry (above, right) does double duty: it's used for serving formal meals in the dining room and has its own table for breakfast, casual meals. Its glass wall looks out onto the rear garden. The corner of the living room (right) shows how the whole house overlooks the treetops. The furniture is long and low, the colors subdued and subtle, accented sharply with black.



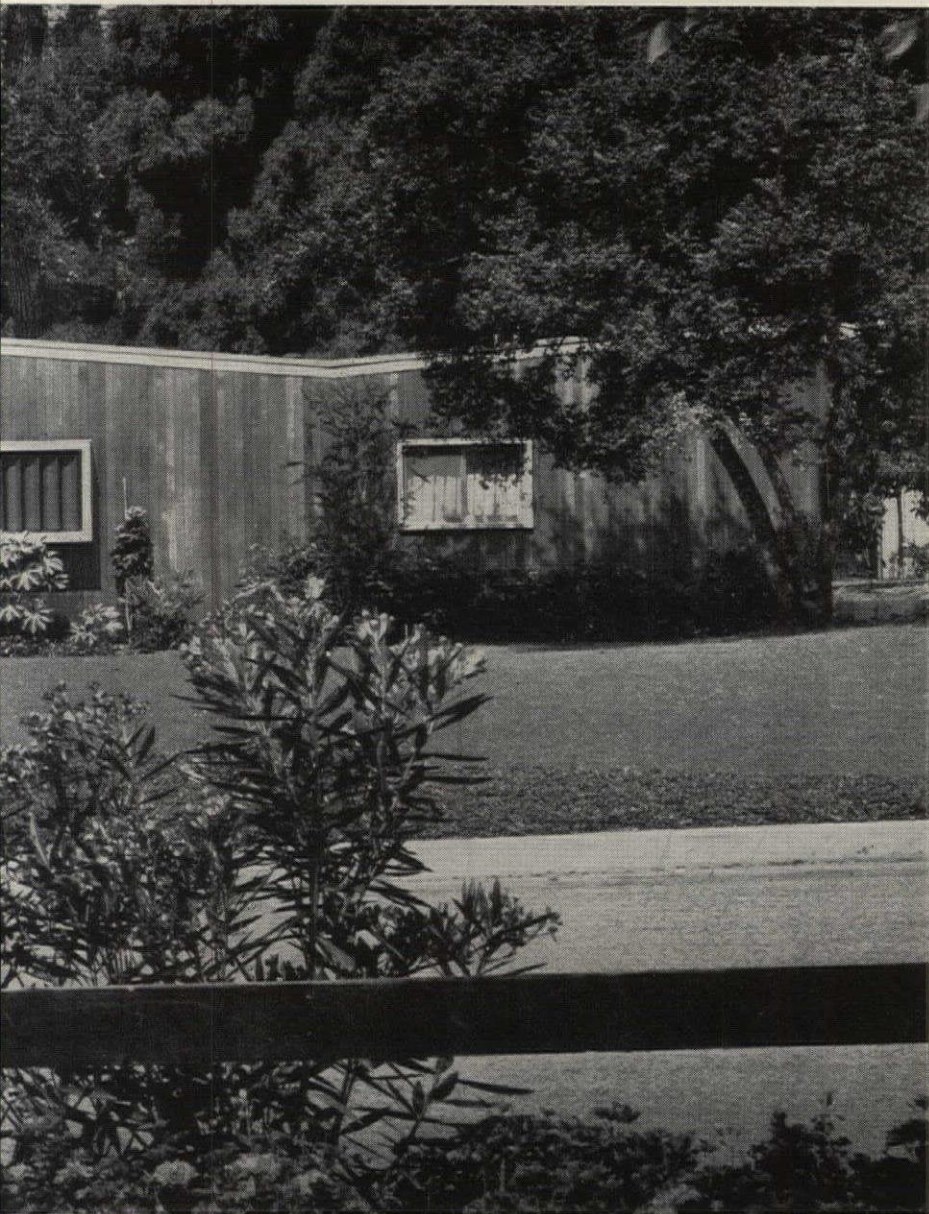


HOUSE NO. 8 A good plan gives privacy indoors and out

The U-shaped plan of this house screens it from the street and opens it to the rear patio

An all-purpose room provides a second living room where games, TV etc., can be enjoyed without upsetting the whole house. Both rooms join the patio garden

Pasadena architect Harold J. Bissner, with Mrs. Bissner, planned this hospitable small house as an expression of their viewpoint and with pertinent family needs in mind. Their site, on which sunlit windows and patio open, is part of an old wooded estate called Chapman Woods. The Bissners decided on a U-shaped plan to preserve large, rare trees on their lot. These include India stone pine, aromatic red cedar, sycamores, ponderosa pine, and the tall, shady oak around which their patio spreads like an extra outdoor room. Since the Bissners enjoy both entertaining and privacy for themselves, they decided on an all-purpose room enlarged by a glass wall opening on the green-planted terrace. Separated from the living room, it has a



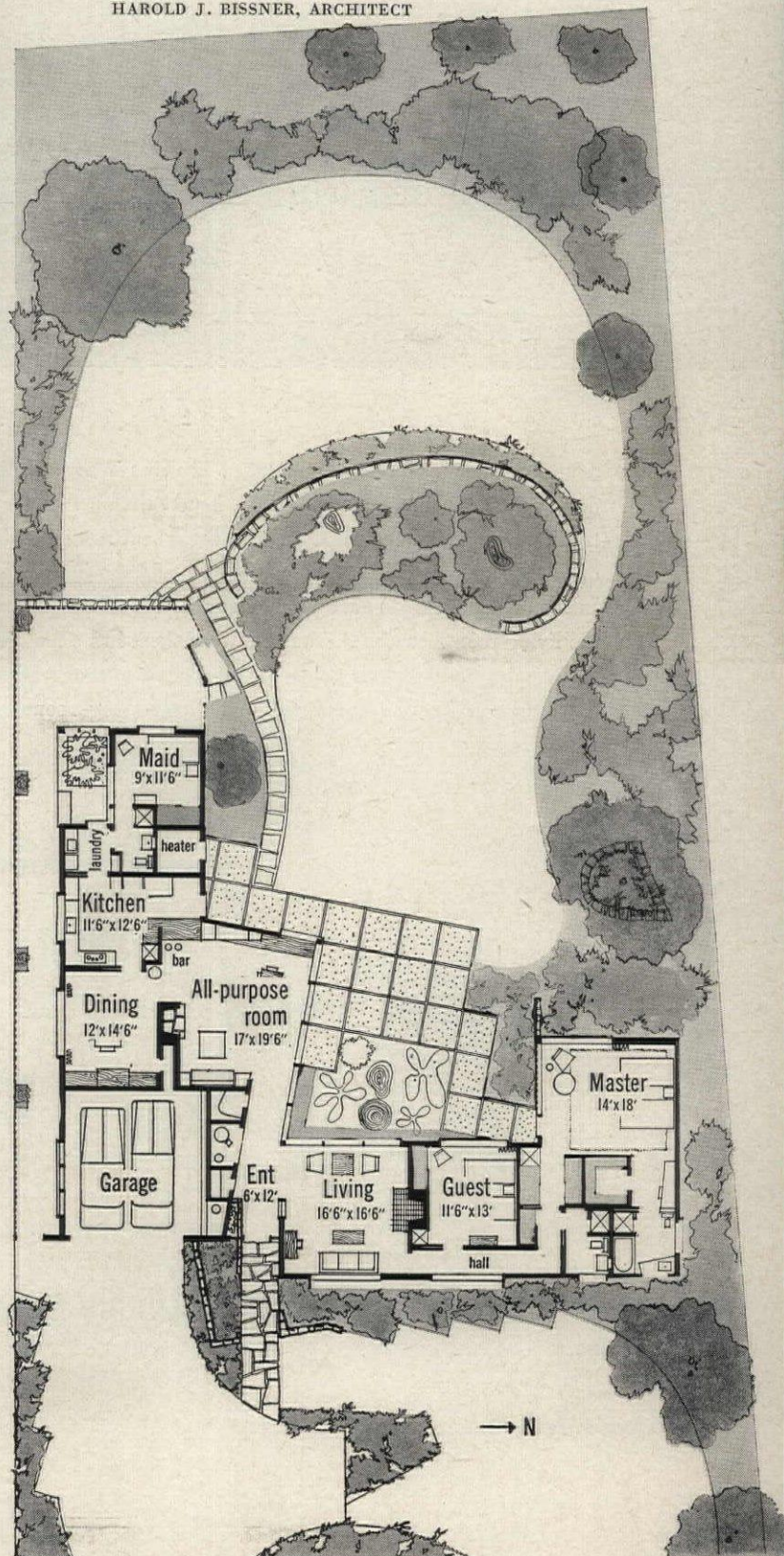
SHULMAN

The secluded front wall of the house faces the street. Motor court in left foreground allows guests to park off street. Garage is next to entrance. Louvers in box frame shield living room from passers-by yet allow fresh air to circulate.

built-in TV set and bar, a card table, books. This family room is a convenient entrance to the secluded, intimate dining room. Off the latter, Mr. Bissner designed a moderate-sized kitchen in a self-contained working wing for service, storage, maid's room, and bath. While relatively small, all rooms have a capacious, uncrowded air of extending the house outdoors. This practical arrangement of space makes the house seem larger. Mr. Bissner wisely placed the least important areas of his house on the street side so that the wooded outlook, which the living section of the house faces, is not wasted on garage, hall, and baths. The bedrooms each have a convenient access to the terrace. *Continued on page 173; building data, page 209.*

The plan explains how the rooms merge with the patio. Two living areas form the core of the plan. They are wide open to each other and also to the patio. The living room proper is used for conversation and entertaining. The glass entrance passage connects it with the all-purpose room. Here family can relax, view television, or read. Glass walls join this L-shaped area to outdoors.

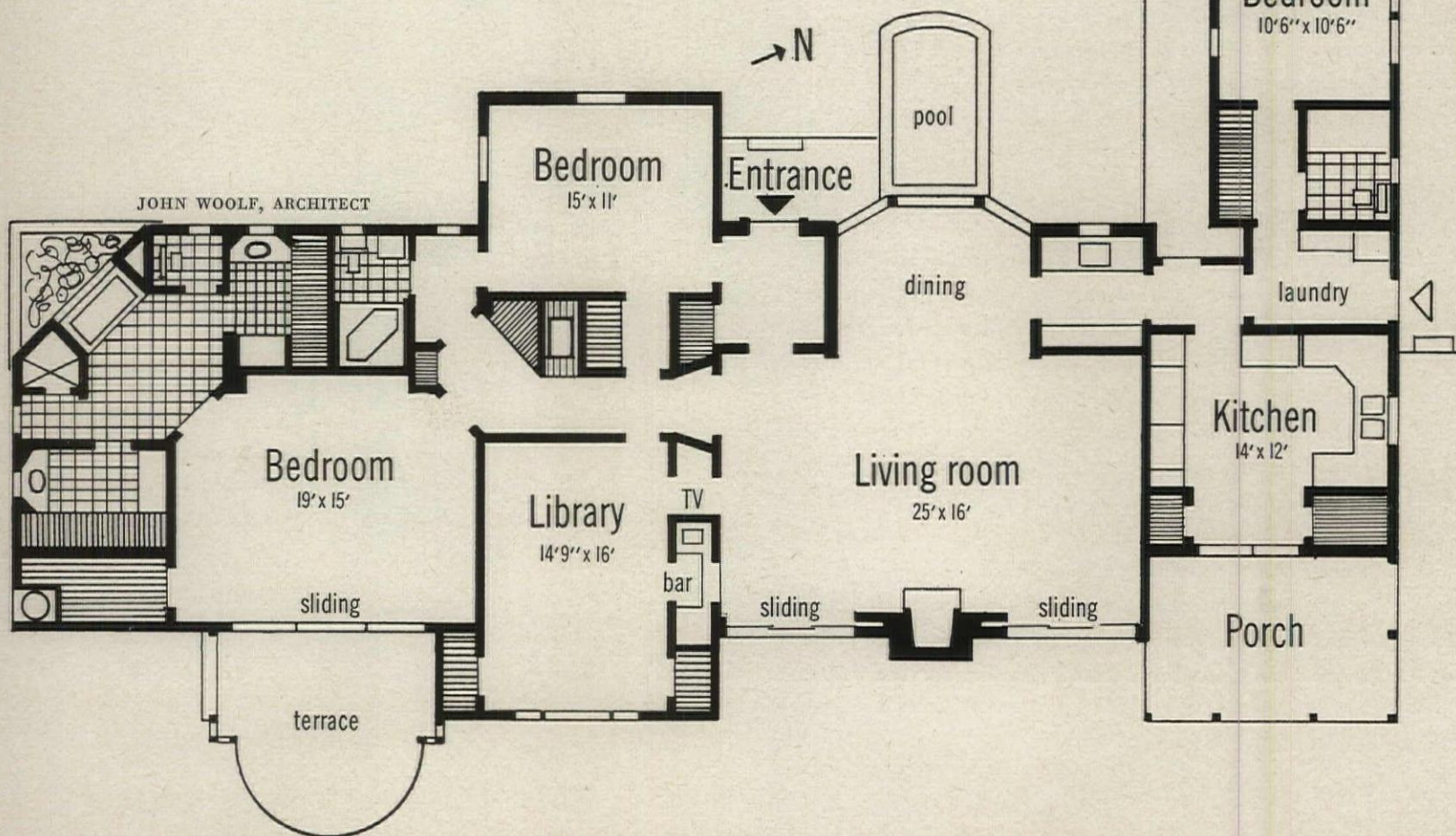
HAROLD J. BISSNER, ARCHITECT





SHULMAN

A house with many terraces enjoys good views in several directions. Above, you see the dining porch on the right end of the house, the open patio outside the living room, the trellis-covered terrace joined to the master bedroom by sliding doors. On the other side of the house, louvered shutters control sun and ventilation in bedroom and dining alcove. Inside, every inch of space is used adroitly. You can entertain in either the library or the living room because the wall between them has a bar opening on both sides and TV on a swivel base. Master bathroom is divided so that two people can dress at the same time. Storage space is provided in hall, dressing rooms, bedrooms, library, kitchen.



HOUSE NO. 9 Why not surround your house with terraces for extra living space?

Instead of one large patio, this house has a series of terraces planned as carefully as indoor rooms, some sheltered, some open to the sun and view

When entertaining, outdoor meals can be served to guests on the open terrace or inside the covered porch, both of which are accessible to the kitchen

Library does double duty as guest room, shares bar and swivel television with living room

You can have all the fun of living out-of-doors if you plan your house so that small, separate terraces can be reached easily from every room. In this way, you can take advantage of different views all around your house. To give your terraces as much variety as the inside of your house, consider each one as another room. Since this house is in the mild Los Angeles climate, the owners wanted to be able to walk out-doors from almost every room to relax, garden, sun-bathe, or dine. A dining bay plus a porch near the kitchen replaces a dining room. Guests can move freely from the living room to the sunny brick patio. When the children have parties, the parents can withdraw to still another secluded terrace which adjoins the master bedroom. The sofa-beds convert the library into a bedroom for overnight guests. The daughter's bathroom doubles as a powder room. Between the living room and the library is a bar and a turnabout television set which can be used in either room. On cool days, meals can be served in the dining bay overlooking a pool or on a large cocktail table in front of the fireplace. The house, all on one floor, comprises an area of 2,466 square feet, not counting the carport and the covered porches. *Building data, page 209.*

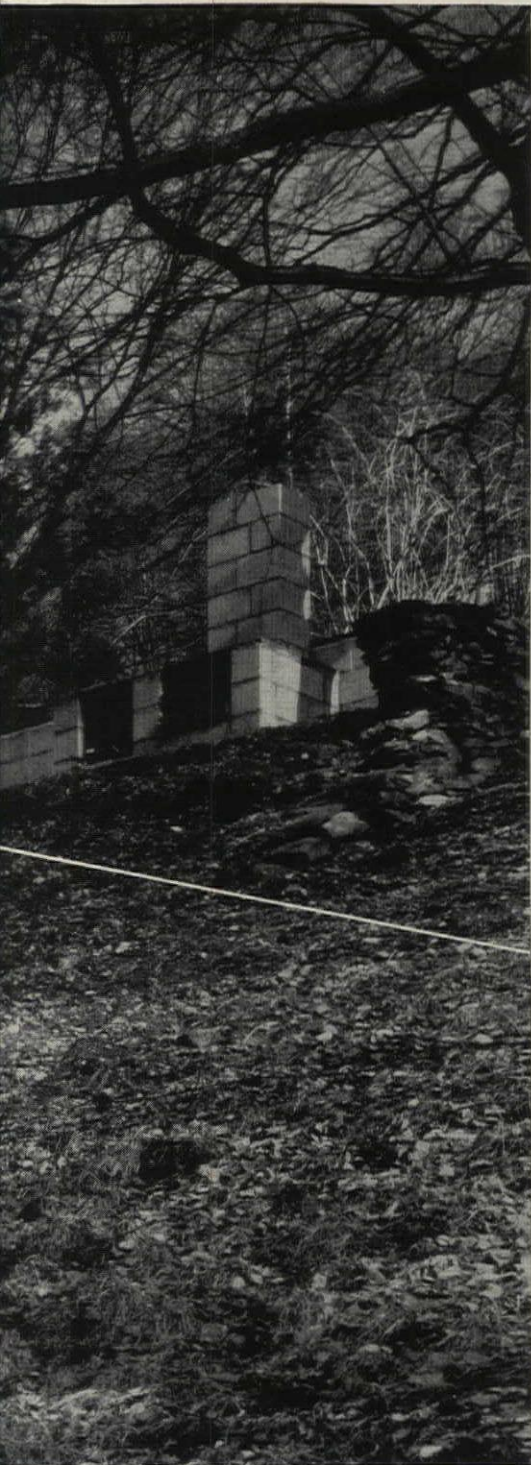


A sunny patio behind the house is easy to reach through sliding doors in the living room. In the center is a tiny terrazzo dance floor; music is from a radio-phonograph just inside the house. On the far right, you see the dining porch, a few steps from kitchen and patio. When you've had your fill of outdoors for the day, you can return to the living room and draw curtains on patio for a cozy feeling.



HOUSE NO. **10**

**This small year-round house
catches more sun and view with a V-shaped roof**



Left

Natural-finish cypress siding keys the house to its woodland site. Interior walls extend out-of-doors, break the north-western wind, are painted white to deflect glare of sun. Celocrete blocks wall the basement and build up into a retaining wall for the terrace. Outside stairway brings the living room near the garden.

Below

Flagstone terrace adds an outdoor room for summer entertaining, also serves as entrance to screened porch. Outdoor meals are cooked at barbecue built right into the terrace wall which is at convenient serving-counter height. Chimney carries off smoke.



BEN SCHNALL

Here is proof that a well-designed house set on a well-chosen site can bring you a new lease on life-in-the-country every season of the year. This site consists of five wooded acres on a hillside at Croton-on-the-Hudson, New York. The owners wanted a house that would give them the feeling of being able to reach out and touch the woods from any of the rooms. They also wanted to make the most of the superb view of the Hudson River down below. To satisfy these requirements the architects gave them wide-angled windows which bring in the outdoors to every room. A butterfly roof, which is an inverted gable roof, permits these windows to be high as well as wide on both long sides of the house. On the side which gets the western sun the interior walls

were extended outdoors beyond the rooms to serve as a shield. These walls were painted white both inside and outside the house to give the interior a greater sense of unlimited space. The other exterior walls are of natural-finish cypress siding which requires minimum upkeep and blends in well with the surroundings. The plan of the house (see next page) is simple and convenient. A chimney divides the bedroom from the living room, thereby making it possible for each room to have its own fireplace. The kitchen is right next to the dining area, the screened porch, and the terrace, making it easy to serve meals in any one of these three places. In addition to this main house, there are two cottages for guests and a garage. *Continued on the next page.*

A simple, uncluttered plan makes the most of small space and of the superb hillside setting

Plain wall surfaces, waxed oak flooring, and well-planned storage cabinets reduce all the housekeeping and maintenance chores



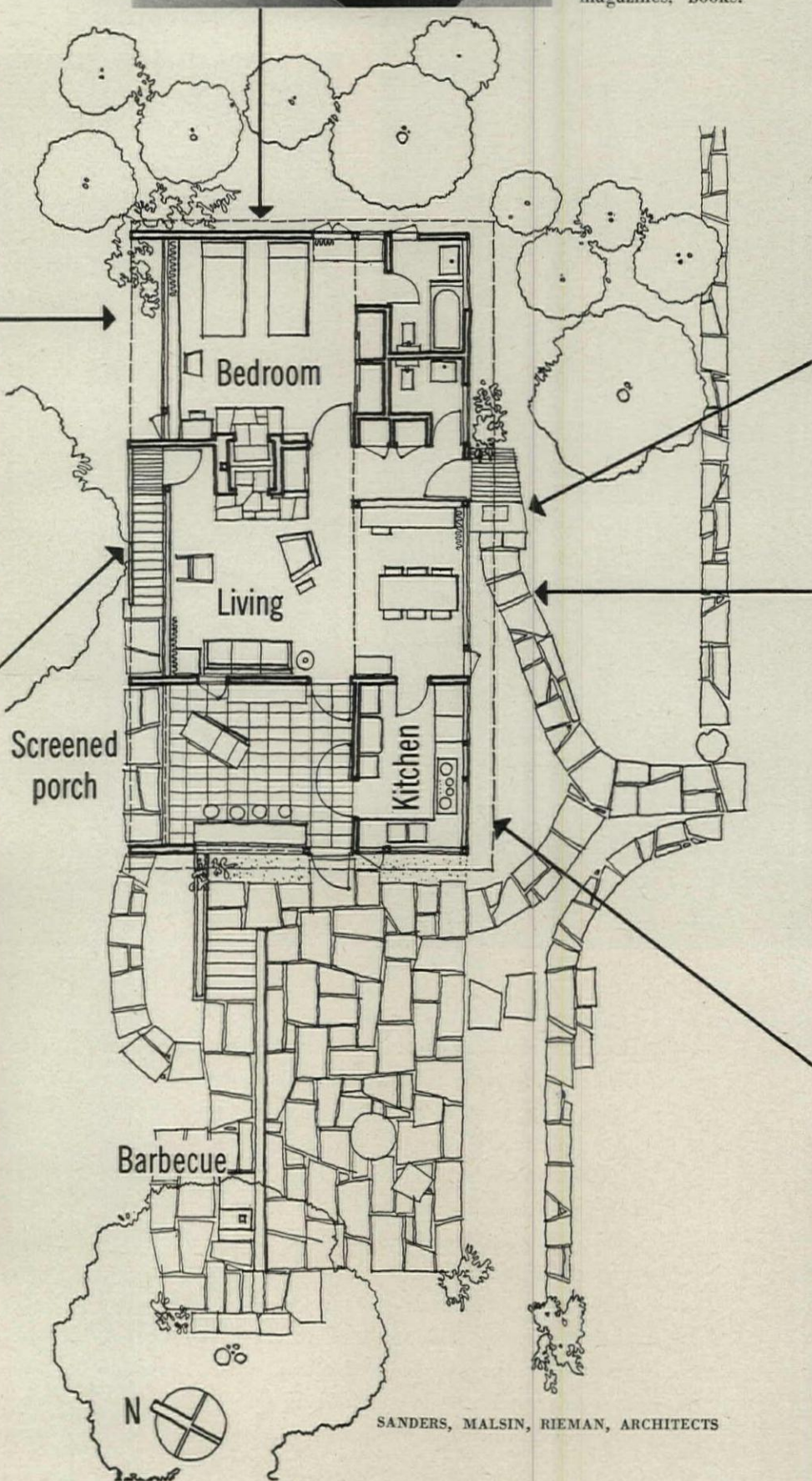
Cypress panelling, split-bamboo curtains, white ceiling and walls give a spacious look to what is actually a small bedroom. The chest was specially tailored for this room to accommodate clothes, telephone, magazines, books.



Chimney divides the bedroom from the living room, below, and provides a fireplace for each room. Cabinets are built into the fireplace wall of the bedroom. Logs are stored between rooms.



The ceiling slants up toward a window wall, so the living room focuses on the view and seems larger than it really is. A band of windows under the high eaves lets summer breezes in at ceiling height without interfering with curtains. Side casement windows give additional ventilation.



SANDERS, MALSIN, RIEMAN, ARCHITECTS



BEN SCHNALL

A butterfly roof has the same effect as pulling up a blind. It makes a small house like this one seem much larger and lighter. Because the roof slants upward, it allows space for a band of ventilating windows in addition to the picture window. The dining area overlooks the rock garden, has plenty of light.

To get year-round benefit of the view, the dining table is pushed right up to the window. The table has removable end leaves to save space. Oak floors are stained black and waxed for easy cleaning. Chest has plastic front.



Built-in cabinets line two walls of the kitchen, leaving free space for easy access to dining area and screened porch where meals are served in summer. Separate, stainless-steel oven and top-burner units were installed at counter height, so they are easy to reach. Through a wall-to-wall window there is a fine view of the woods. There is also a useful home freezer unit.

How to plan for patio living in a warm climate

By opening practically every room to the outdoors, this house satisfies the prevailing desire to live both indoors and out at the same time

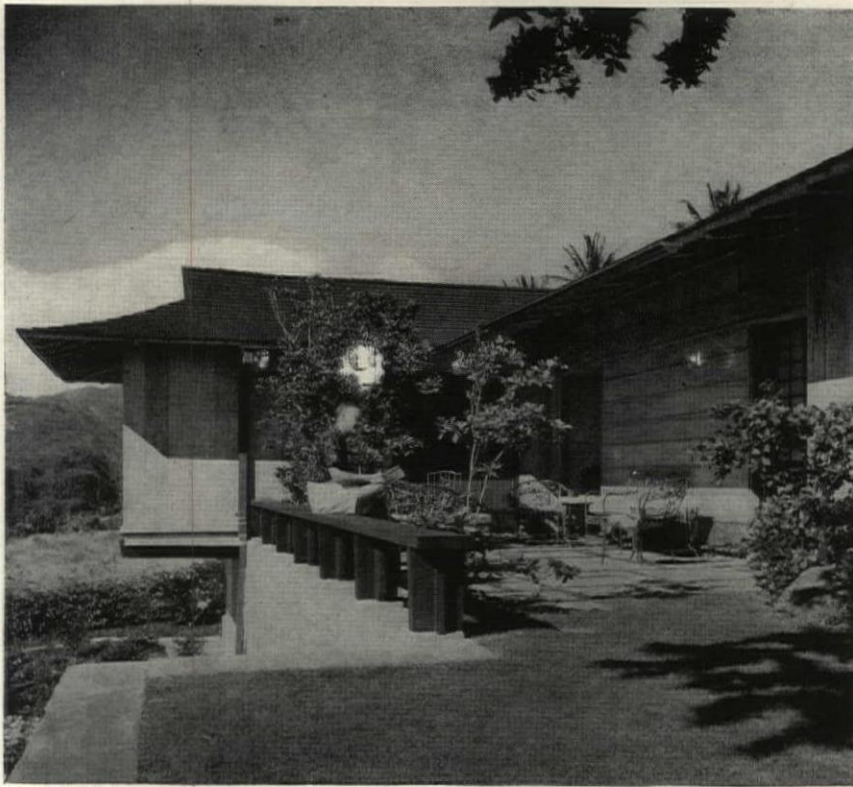
Most rooms open directly into a court, a terrace, or a garden so that you can enjoy a view

Diamond Head looms behind this Hawaiian house, and Honolulu lies below it. To take full advantage of this dramatic site the architect and the landscape architect combined their efforts so as to open every main room to the outdoors and to give each one either a big view or an intimate view. There is a large paved court on one side of the living room and a smaller terrace on the other side. The dining room looks out onto a small lawn, and the master bedroom has its own small private garden which is enclosed by a wall. One side of the study faces one of the lanais while a bay window juts out over the slope of the hillside to get the maximum view. From the entrance hall, with its easy-to-care-for cork tile floor, to the meticulously-designed clothes closets, everything in this house has been designed for easy, ordered living. Each section of the house—living, sleeping, and service—has convenient, capacious storage space. Bookshelves are built-in, and the surfaces everywhere are simple but varied in texture as well as being easy to clean. *Continued on page 176*

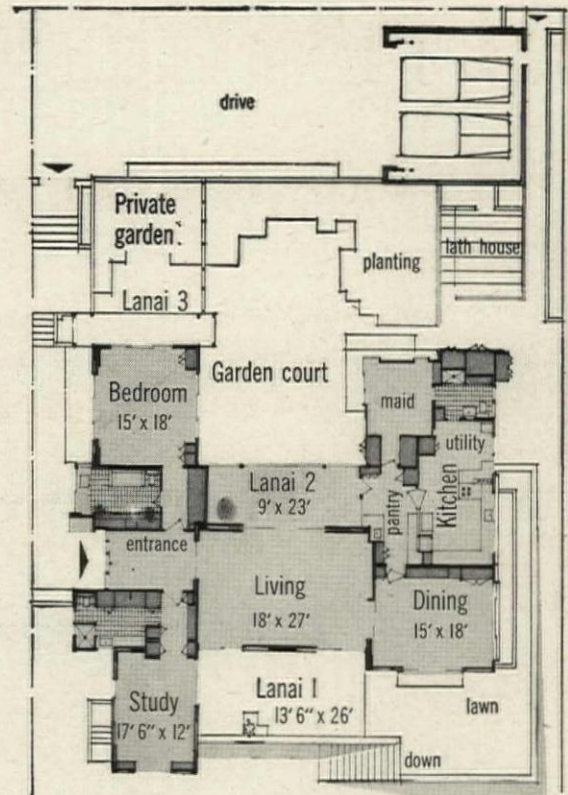


Meals can be served on this sheltered lanai, above, since it adjoins the pantry and kitchen. When the living room is opened on both sides for parties, the guests can circulate freely from both the court and this lanai through the centrally-located living room to the lanai which is on the other side of the house.

WERNER STÖY: CAMERA HAWAII



Rear lanai is raised above the slope, opens into the living room through sliding glass walls. The sweep of the roof is Japanese in inspiration, provides partial shade.



The house requires minimum upkeep. Intelligent planning takes contemporary living and family hobbies into consideration. The house has maximum storage space, runs with one servant.



The entrance hall has an easy-to-clean cork tile floor. The door wall consists of a black cedar and glass Japanese grille. The door itself slides. The doorway is shaded by the generous roof overhang, looks out to a white-washed brick wall along the edge of the lot. Planting beds soften the outline and provide welcome green contrast. Oriental sculpture stands on the tables.

HOUSE NO. 12

Are you looking for more room in less space?

If yours is a large family, you must take their individual needs into consideration

Before the owners of this house in Seattle, Washington, even started to plan it, the entire family of five participated in round-table discussions of their needs. Since they enjoy working and playing together, they wanted a central, all-purpose room for painting, music, hobbies, and games; a separate living room for entertaining with space for informal dining at one end; a conveniently-placed kitchen, well-organized for work and easy to close off. In addition to a master bedroom for the parents, individual bedrooms for each of the three daughters were considered essential—each room small but enlarged by window walls and overlooking a window garden. To meet these requirements, the architect utilized every inch of space in a 1,650-square-foot house on a 65 foot by 110 foot corner lot. The core of the design is the all-purpose family room, the south side of which is a storage wall. Open to the living-dining areas, this room can be completely closed off by accordion doors to form a guest room. The result of the plan pictured here shows you how a family of five can have individual rooms and enjoy mutual activities in a small house without ever being cramped. *Continued on page 179; building data, page 209.*

Indoor space is expanded by the clever use of glass walls

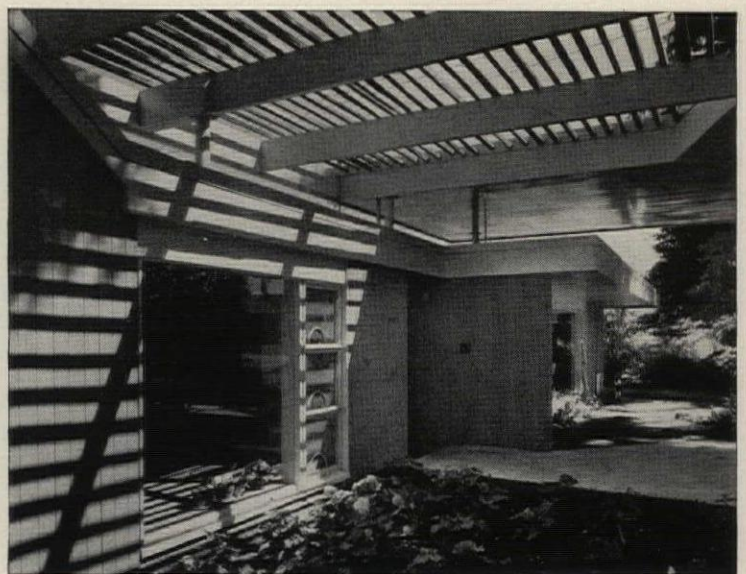
Elastic feeling of space inside the house is carried outdoors through design of the broad roof. Three sides of roof break into open trellises built around trees. Triangular opening in roof overhang, outside the all-purpose room, admits light within and allows rain water to reach planting areas below. Landscaping is planned so that it keeps sunlit patios open for outdoor enjoyment, yet preserves large shade trees near the house.



DEARBORN-MASSAR



Gentle sloping site chosen for house is on View Ridge, shows natural contoured landscaping. Trees include firs, dogwood, madrona. Ridge looks out over blue Lake Washington, distant snow-capped mountains.

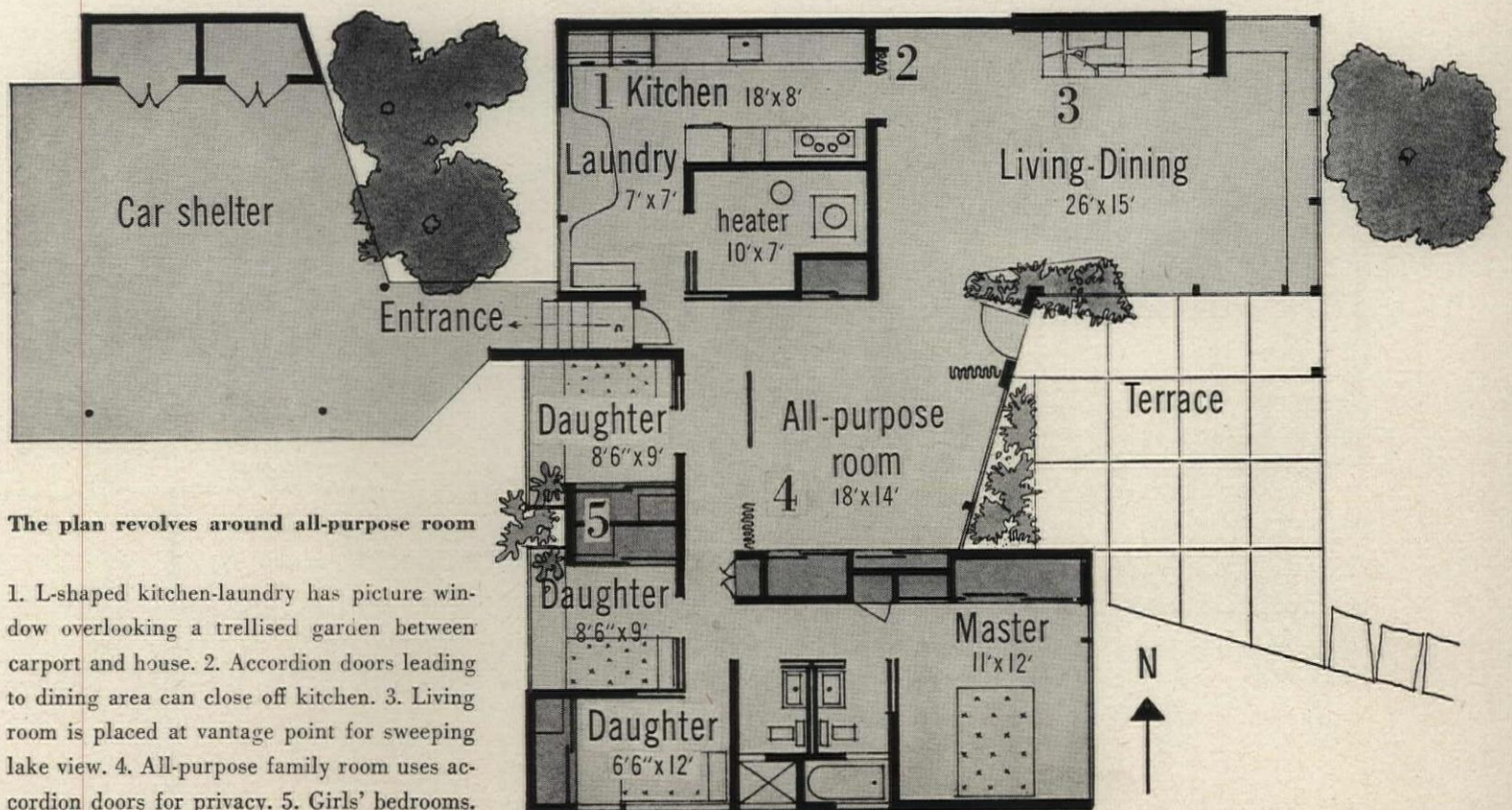


In this side view of the front door, cedar sapling strips in the arbored roof trellis serve as sun screens. Trellises shield windows from glare, let through both light and moisture for the plants and flowers below.

Despite the small size of the house, both the children and the adults each have a living room of their own.

JOHN RIDLEY, ARCHITECT
PERCY E. WILLIAMS, LANDSCAPE ARCHITECT

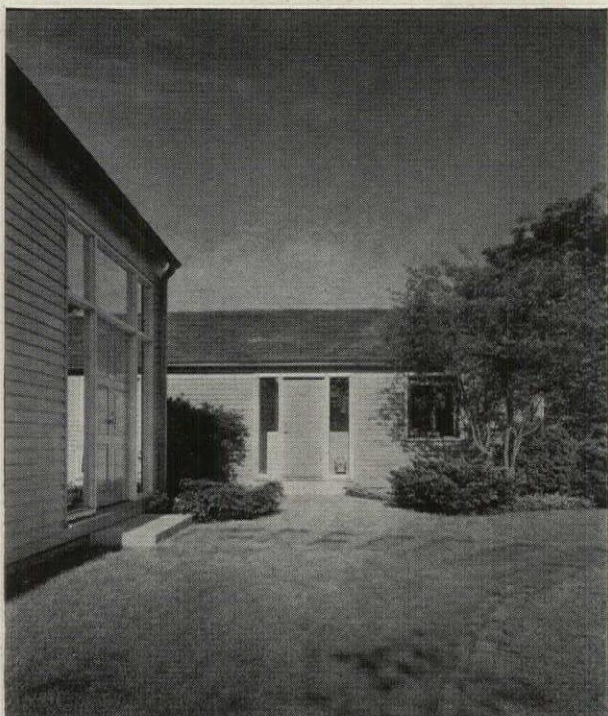
Built of vertical cedar on a concrete floor, the house is radiant-heated, and its shell has a shipshape simplicity. Construction costs were kept well within the owners' original budget. The interiors are unified by the use of willow-gray walls throughout the house, which gives all the rooms a cool look of spacious livability. By means of accordion doors and wide plate glass window walls the rooms can be easily merged with each other and with the outdoors. The centrally-located all-purpose room is fitted out for the hobbies pursued by the various members of the family. There is a piano, recessed in the wall under the bookshelves. A series of drawers, also built-in, hold games and sewing and art supplies. A comfortable couch along one wall doubles as a bed for overnight guests.



HOUSE NO. 13

Modern materials make it possible to live year-round at the water's edge

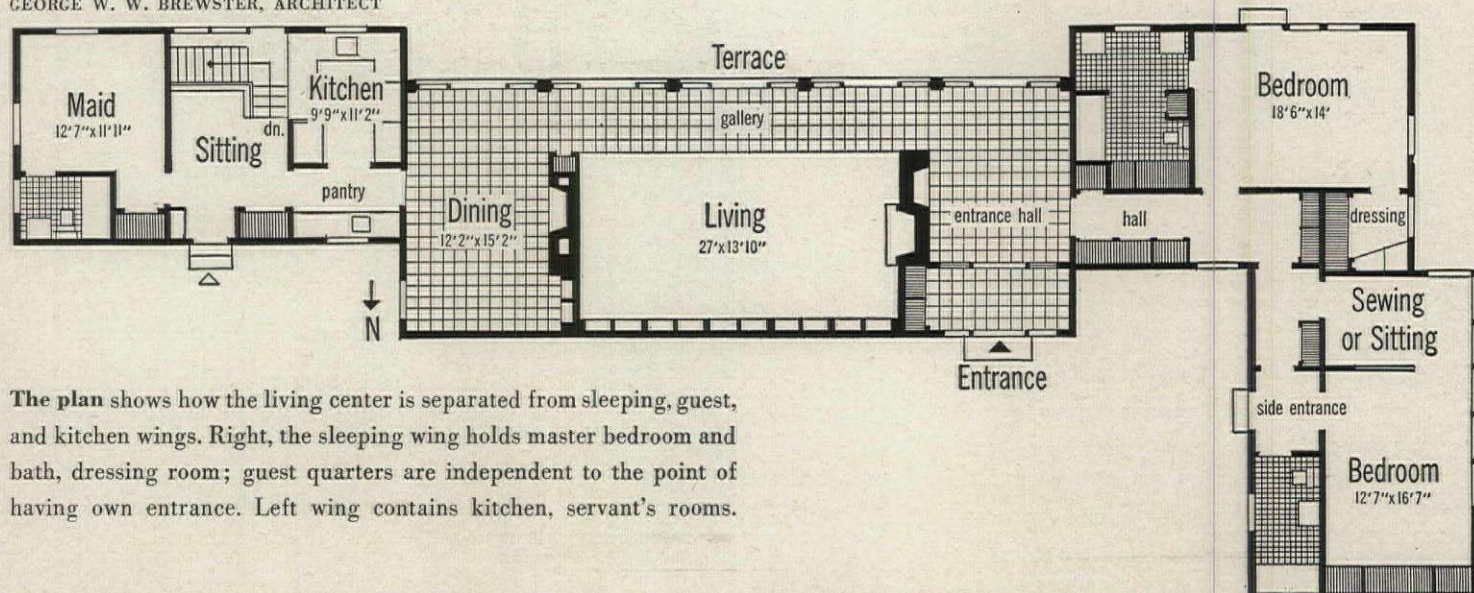
A plan for attractive living that takes comfort for its cue, Narragansett Bay for its view



Simple wood doors are set into a window wall at front entrance. The guest wing has its own private door at right.

For many Americans, nothing matches a view of the pounding sea. This livable modern house on Rhode Island's Narragansett Bay is built on the foundations of a previous summer house. By using radiant heat in the floors, the architect was able to spread the house out in one story and open it to the outdoors with glass walls, even in a cold New England climate. Only one room deep, it spreads in a long central unit flanked by two adjoining wings. Through a glass window wall with five double French doors, the house, which faces south, opens its main living area to the terrace, the lawn and garden, and the bay. Its solid clapboard front, turning toward the roadway, is broken only at the very end by a simple double doorway, side-paneled with glass. The center unit is one large room divided into entrance hall, living room, and dining area by two fireplace walls. One wing houses the master bedroom, a sewing room, and a guest room. In the other wing is a compact, U-shaped kitchen, a bedroom and sitting room for a maid. The slope of the site allows ample space for a complete laundry below the kitchen. A closet at the service entrance opens from the outside so that food deliveries can be made while owners are away. *Continued on page 131; building data, page 209.*

GEORGE W. W. BREWSTER, ARCHITECT



The plan shows how the living center is separated from sleeping, guest, and kitchen wings. Right, the sleeping wing holds master bedroom and bath, dressing room; guest quarters are independent to the point of having own entrance. Left wing contains kitchen, servant's rooms.



The glass window wall is divided by wood panels into classic proportions. White curtains help to screen the light



From the entrance you have a view of bay and lawn
Kitchen back door is as pleasing as front entrance



Your eye has clear passage across living room to far end of dining room



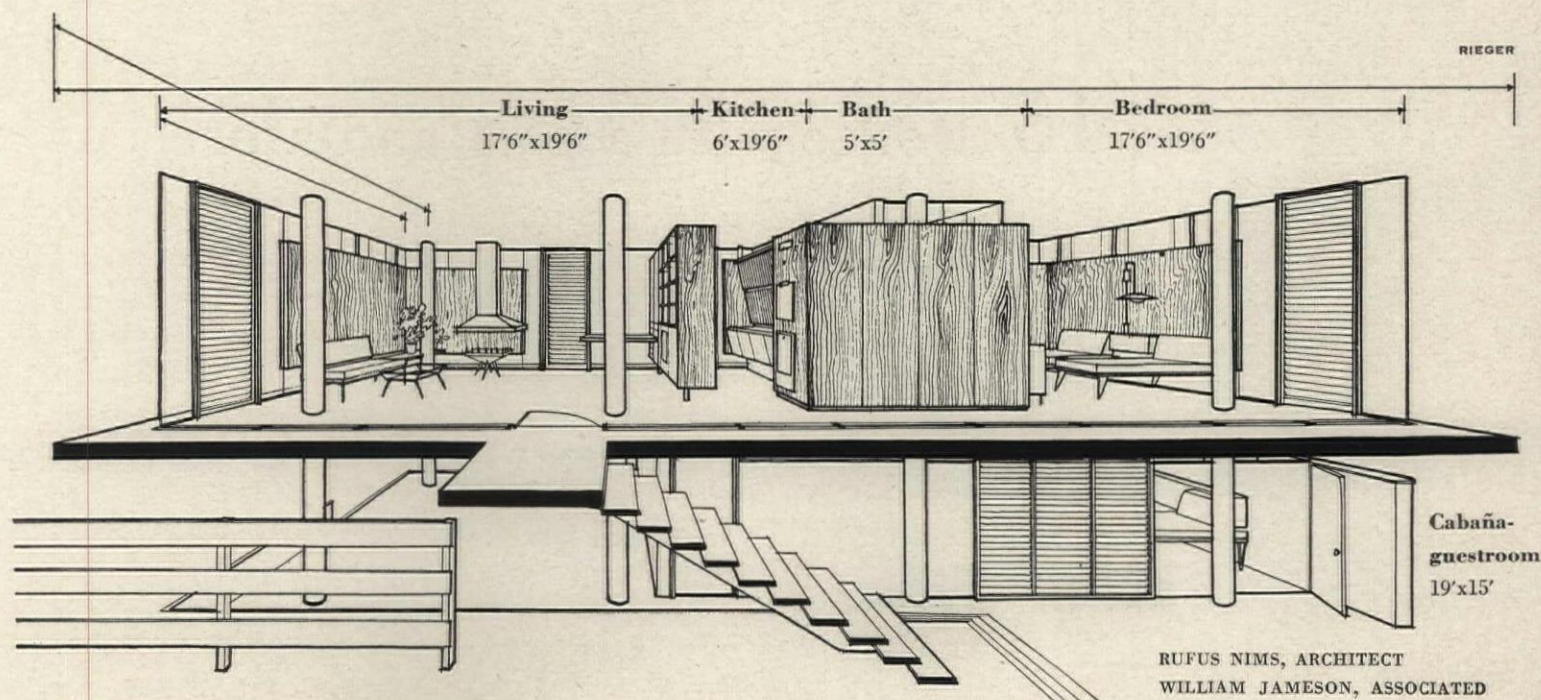
HOUSE NO. 14 By ingenious construction this whole house is open to light, air, and view

Eight concrete columns support the roof and floor, allow the walls to be free of any supporting burden

Instead of interior walls the house has free-standing cabinets for storage

The bottom of the pool was set at ground level, and earth was filled in around to create a raised terrace above the level of the nearby bay

This unique house is on a man-made island in Biscayne Bay, Florida. Its skeleton consists of eight concrete columns on which two concrete slabs appear to float. The slab at half-mast forms the floor of the living quarters; the upper one is the roof from which various elements, such as the fireplace flue and the wall panels, are unexpectedly suspended. As the walls carry no structural weight, they can devote themselves to ventilation and transparency, letting in doorfuls of air and making the Bay the focus of interest from every room. On the water side, this is achieved by alternating floor-to-ceiling fixed glass panels and adjustable metal жалюзи. On the land side, wood wall panels are hung at the corners of the house. Above and below them, sliding glass panels give ventilation and balanced light which, spilling over ceiling and floor, minimizes the walls and gives the occupants a sensation of being suspended in space. Throughout, storage cabinets take the place of partitions. One of them forms a complete kitchen, compact as a piece of furniture. The plan shows clearly the columns on which the house stands and the system of free-standing cabinets which makes each living space a continuation of the next one. The cabinet between the living room and the kitchen opens on both sides. *Continued on page 183; building data, page 209.*



RUFUS NIMS, ARCHITECT
WILLIAM JAMESON, ASSOCIATED

The main floor of the house stands above the circular swimming pool. The lower level includes a cabaña-guestroom, laundry, and carport. The cabaña has two beds for over-nighters, sliding жалюзи that open the whole front wall to the pool. At large swimming parties, the laundry acts as an extra dressing room. A mechanical core rises through both floors, serves kitchen and master bath above, laundry and bath below.



Traditional details characterize this house: an arched loggia with white scrolled-iron supports, a central bay window, lanterns at the house corners, a roof of shakes instead of the usual shingles, a pink brick exterior, white shutters, muntined panes.

HOUSE NO. 15 House with a past and a present

*Its roots are deep in its
New Orleans and
New England heritage*

This house is actually in Joliet, Illinois, but if you saw it in a New England village, it would look perfectly suitable. It would be equally at home on a balconied Southern street or in the bright California sun. Its architecture, which is the type we call transitional, has the rare quality of getting along with its neighbors, be they old or new. The reverse of clinical modern, its details are traditional. Because the garage forms an extended wing of the house, the overall lines are long and low. The house is a good neighbor in another sense, too. Its owners are lifelong friends of their neighbors, whose house you can see on page 32. The gardens of the two houses are back to back, and instead of fencing one another out, as many neighbors often do, they have combined their yards into one large, single shady lawn area where the children can play. Both of the houses spread their hospitable terraces toward one another. Though this house gives the appearance of being small, it actually has plenty of living space, including three bedrooms, a powder room, an entrance hall, a dining room, and a library which the owner, who is a doctor, occasionally uses for consultations. *Building data, page 209.*



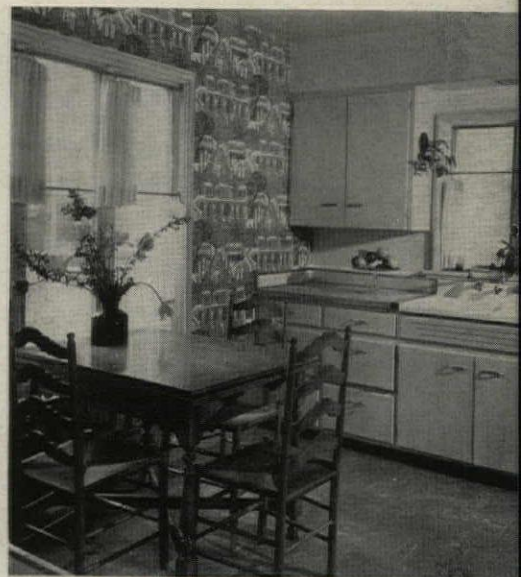
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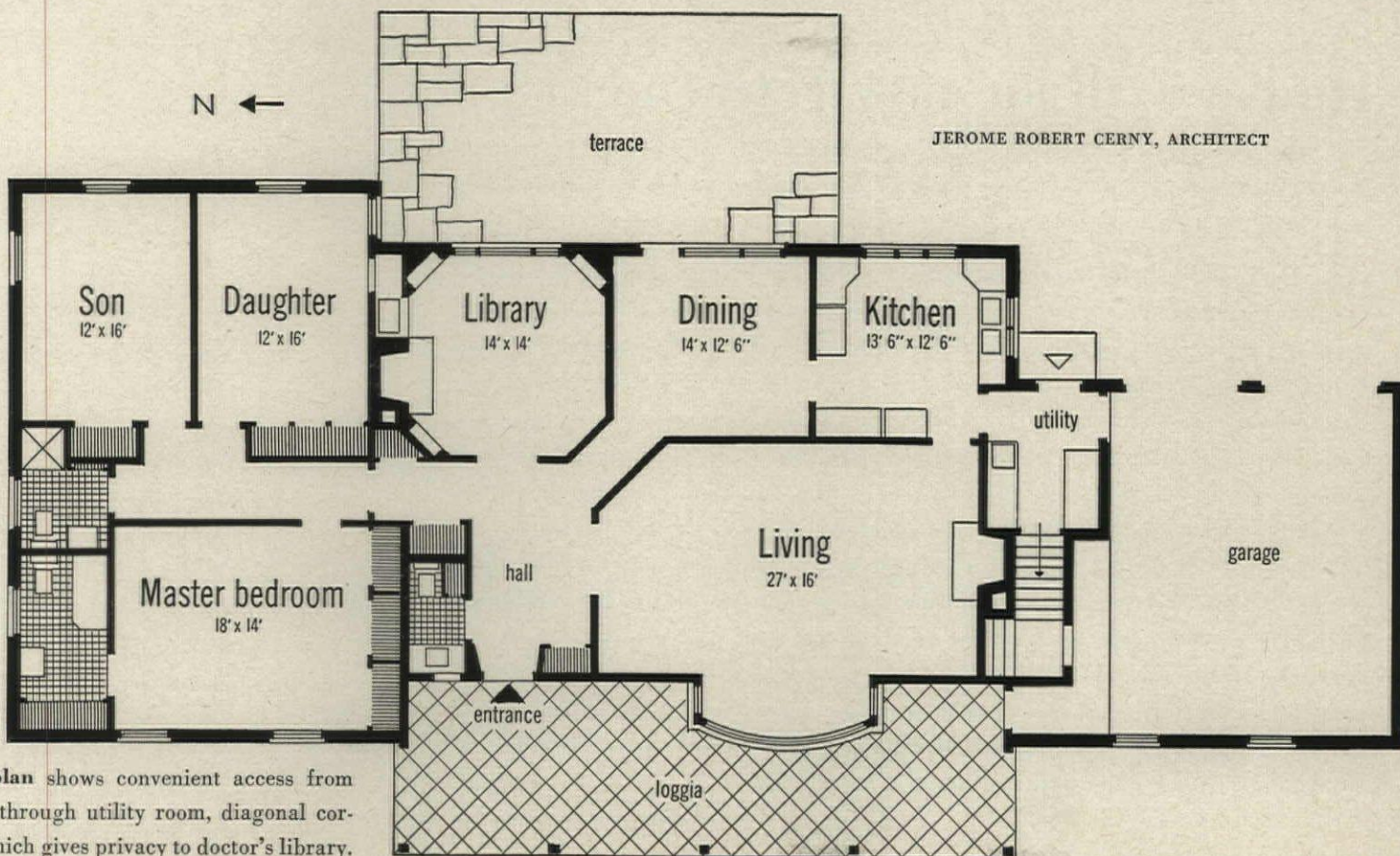
On the garden side, the house looks across a shady lawn to its neighbor. The three center windows belong to kitchen, dining room, and study. To the left is the garage whose doors of divided glass panes match the house windows. Tall elm trees shade both house and terrace.



Bay window on front of house looks out onto a quiet and beautifully-landscaped section of Joliet, Illinois.



Kitchen has birch-paneled cabinets, Provincial table for breakfast and children's meals.



Floor plan shows convenient access from garage through utility room, diagonal corridor which gives privacy to doctor's library.



Long floating roof protects indoor and outdoor rooms. On the side of the house facing the water, a decorative trellis (sea-grape arbor) shades lounging terrace.

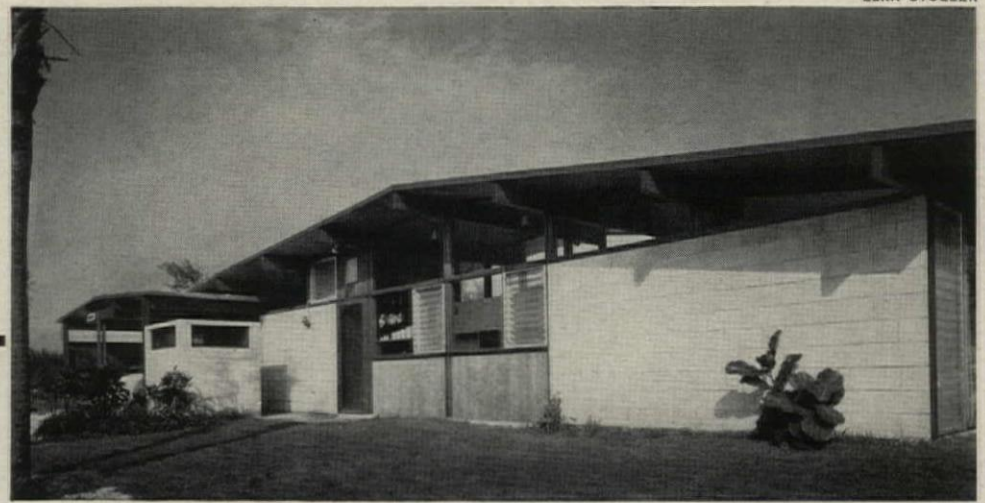
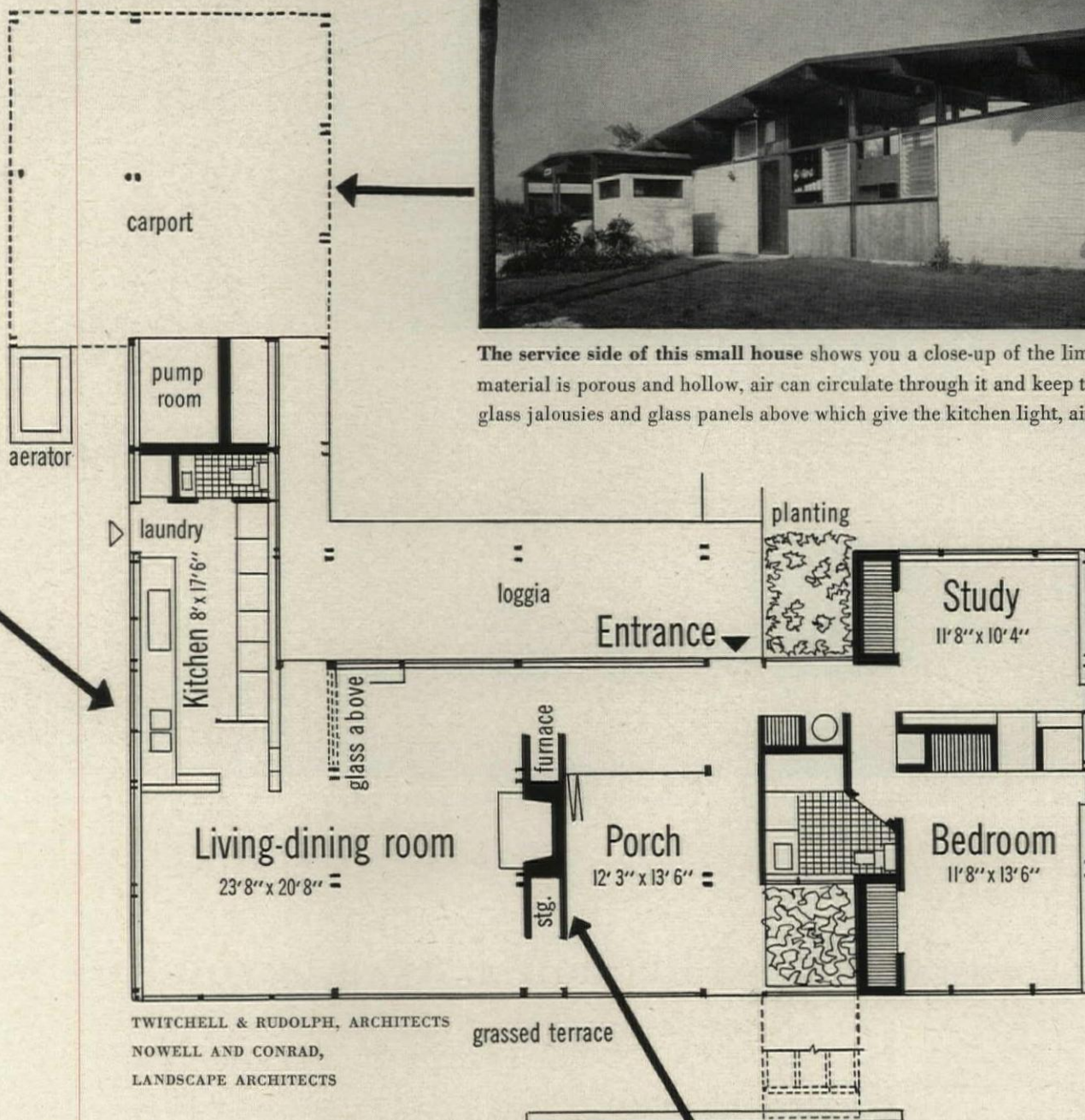
HOUSE NO. 16

House with an easy retirement plan

It lives at a leisurely pace, makes light of housework, and is well suited to warm climate

Here is an ideal house for anyone planning to retire from business and live year-round in a warm climate. This small house (only 2,250 square feet) in Sarasota, Florida, provides every comfort yet cuts down on burdensome housework. A long sweeping roof, resting on cypress columns, shelters rooms and porches. With this kind of construction, walls can be placed anywhere. To get a feeling of light and airiness, you can leave space between interior walls and ceiling and use glass between the top of end walls and the roof. In this house, exterior glass walls insure sunlight reaching all corners to combat mildew. A partially-enclosed loggia and a screened porch double the living space without adding to the cost or upkeep. A shaded spot out-of-doors allows you to sit back in deck chairs and breathe the fresh air. If you like the contrasting tones of wood and brick, use building materials that lead your eye easily from one texture to another. Instead of masking the framework of the house, let it be part of your decoration. In this house, lime-block walls, cypress beams, pine ceilings, and terrazzo floors provide great variety and require little maintenance. The effect of the natural textures is unusually pleasant and comfortable. *Continued on page 161*

Building data, page 209



The service side of this small house shows you a close-up of the lime-block walls. Since this material is porous and hollow, air can circulate through it and keep the house cool. Notice the glass jalousies and glass panels above which give the kitchen light, air, and a view of outdoors.

This small house is planned to run as smoothly as clockwork. The living room is the stem; from there it is easy to reach the kitchen, dining alcove, and any one of the three outdoor rooms. You could adapt this plan to any climate, since the central fireplace wall includes a forced-air furnace. Behind it is an indoor porch enclosed on three sides. It includes a plant bed which is open to sun and air through an overhead screen.

The living room looks high because of the exposed beams, feels cozy because of the simple lime-block fireplace. Round flue is prefabricated, inexpensive. Furnace is placed on the left.





Living room merges with patio when doors are folded back. Unbroken stretch of practical brick flooring runs from lawn to fireplace

HOUSE NO. 17 This house lives beyond its walls

*It adapts itself easily to
the vagaries of the weather*

*Louvered doors fold back, opening
the entire front of the house to the patio*

*Bedroom wing is raised 3 feet above
ground for better ventilation, view, and privacy*

A small inside lot has its limitations, but you can overcome them with a resourceful plan. To make every inch of your property count, think of your house and lot as if they were under a single, imaginary roof. Instead of placing your house in the middle of the lot facing the neighbors, why not build it in the shape of an L on the back corner, and open up the walls of the house to the outdoors? To insure privacy, you can enclose the other two sides of the lot with a fence and a hedge. If your lot is near the water, as this one is, your next concern will be the weather. You can make your house really shipshape if you use wood (it absorbs moisture when humidity is high, dries in the sun). In this 1,460-square-foot house in Miami, Florida, louvered wood doors and windows fold back all along the patio side, opening it to the outdoors. These louvers are made of Spanish cedar, selected because of its durability, fragrance, and irregular graining. The doors can be closed, louvers shut, and the house will never get musty because the cedar stays sweet and fresh. The house trim is fir and cypress. The secret of using any wood is to place it vertically so that its natural channels can drain, and to shield it at the ground level so that bugs cannot reach it. Here, all of the wood has been treated with preservatives. The end result is a house to be enjoyed year round in a warm climate. *Building data, page 209.*



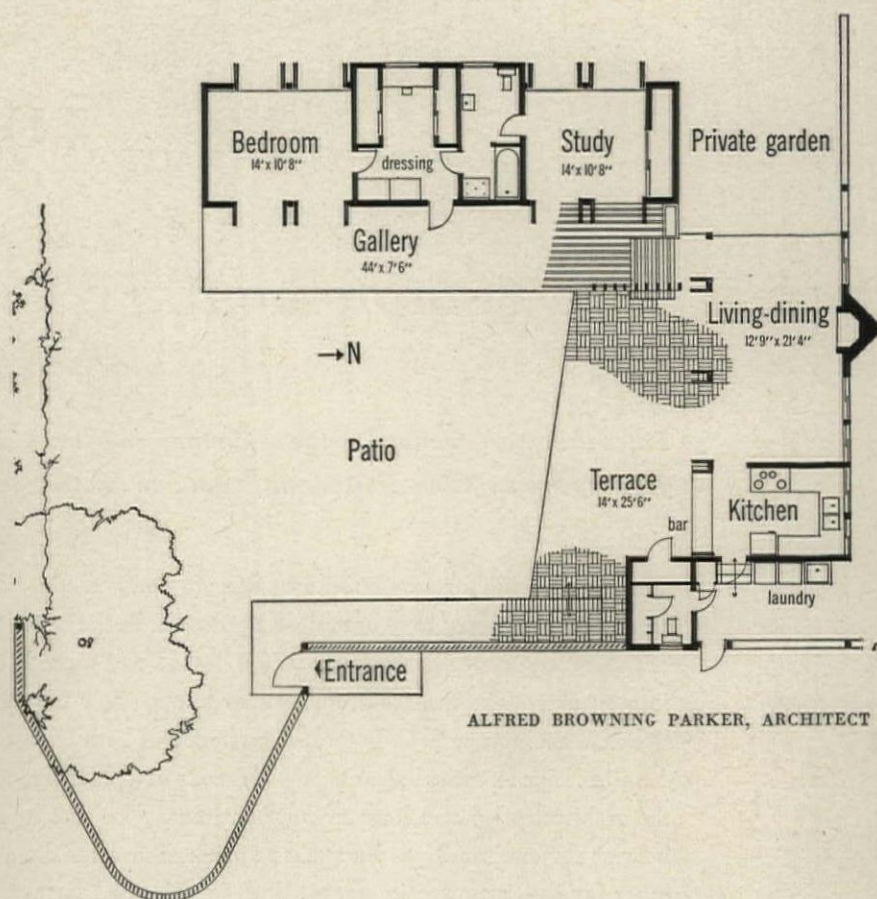
Entertaining is easy when the living room is thrown open to the terrace. Conveniently-placed bar, left, has storage space beneath, stools on the patio side.



EZRA STOLLER

Bedroom and study-guest room are raised 3 feet from the ground. Elevation allows air to circulate beneath rooms, keeping them cool and dry despite the moist climate. The master bedroom has an adjoining dressing room.

A shaded deck runs the length of the bedroom and study wing which is raised four steps above the living room. For buffet parties, you can set up card tables here and give your guests a view of patio. Spaced floor boards drain off rain.



The plan shows how the house and patio divide a small inside lot equally. One side of house contains living, service rooms; the other, bedroom and guest-study. Door in far corner leads to private garden.



HOUSES NO. 18 AND 19

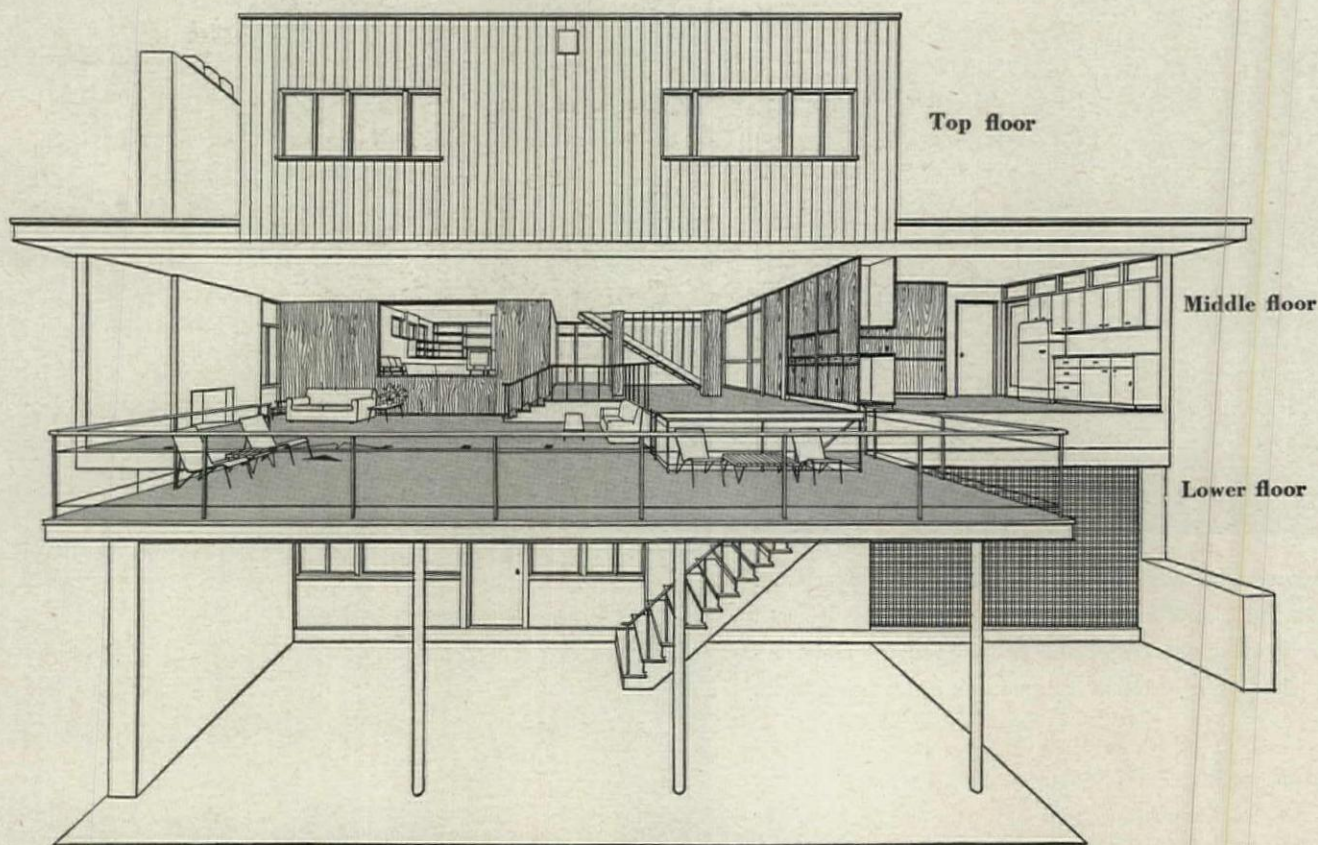
Two complementary houses share the same lot

Since they were planned at the same time and for the same site, these two houses follow the same general style, yet they are sufficiently different from one another to be able to lead private lives

What your neighbor may build next door to you is a common source of worry to almost all homeowners. In the case of the houses shown here, this common hazard was turned into an asset. The owners are a brother and a sister who live in Washington, D. C. Both are married, and both have families. Like an artist balancing the elements of a painting, the architect planned a long rectangular house (see sketch below) for one family and a square upright house for the other family (see opposite page). Both families had virtu-

ally the same living requirements. Each wanted an individual house compatible with the other, sharing one sloping lot, 140 feet by 250 feet. The result: two distinctive houses. Each one has three floors, the top one for sleeping, the middle one for living, and the lower one for service and recreation. For greater privacy, the main living areas of both houses turn away from one another. To help achieve the companionate look, both houses are made of redwood siding and whitewashed brick, and both have flat roofs.

Plan for House No. 18



Three levels, the middle one with projecting deck which creates an outdoor shelter, keep activities separated. Lower level contains utilities, laundry, maid's room, children's playroom; middle level, dining, living, entertaining; top level, bedrooms.

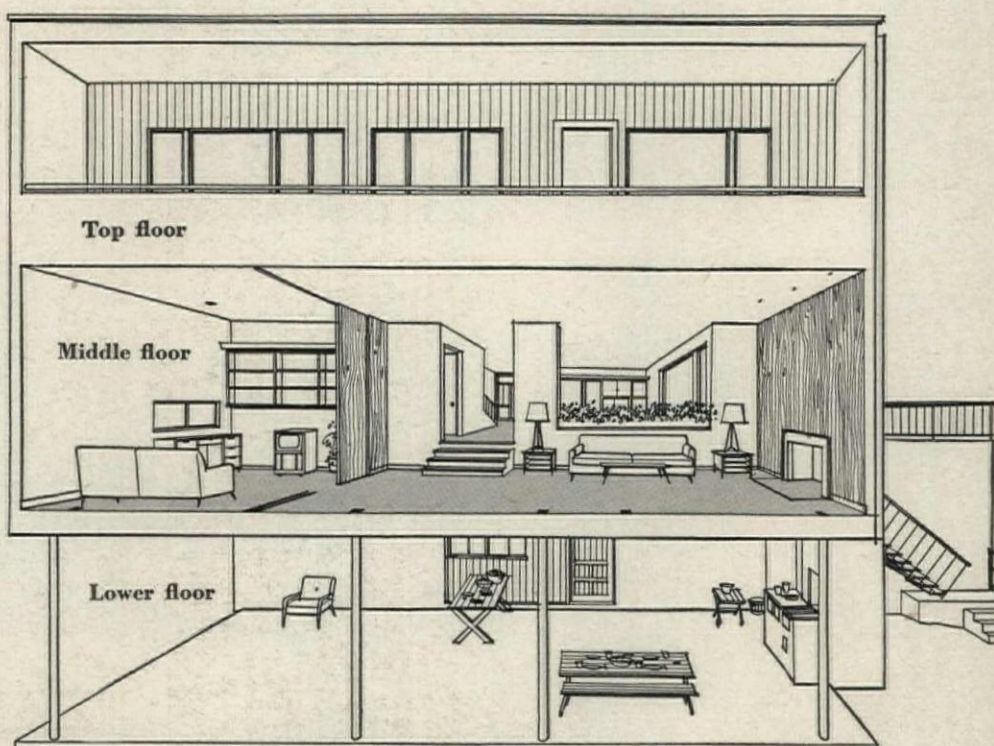
Two central staircases placed near entrance keep indoor and outdoor living free of traffic. Varying floor levels make natural divisions in a large room without the use of partitions. The living room on the lower level gains a higher ceiling.

Like its companion, House No. 19 (see plan at right) has an open sheltered space at the ground level. The recessing of the basement floor below the living level provides space for a covered porch at the back of the house. The top or bedroom floor is also recessed, thereby creating an open balcony off the bedrooms. In addition to the porch at ground level, the lower floor of this house includes a maid's room, a laundry, a heater, and a power tool shop where the owner can pursue his hobby. A built-in barbecue grill on the porch uses the same chimney as the fireplace in the living room above. This grill makes it possible to enjoy outdoor meals even on a rainy day. On the middle floor, one end of the living area can be entirely closed off by sliding doors for the benefit of television viewers. As in the companion house, the floor of the main living area is on two levels. This provides an added flexibility and prevents the sense of monotony which a single level would create. The kitchen and the dining room are on the higher level, the living room is dropped. Four steps join the two levels. The top floor has four bedrooms and two baths. Each of the bedrooms has a double exposure on a corner, and two of them open onto balcony.



House No. 18

House No. 19



The lower floor opens directly onto the garden, contains a maid's room and bath, laundry, heater, workshop, barbecue outside. Staircases connect it with the floor above. The television room is placed at the left, receives its major light from the rear wall, thus presenting a minimum window area on the wall facing the companion house. The bedrooms are on the top floor, receive the maximum light and ventilation. The connecting hallways get plenty of illumination from a skylight.

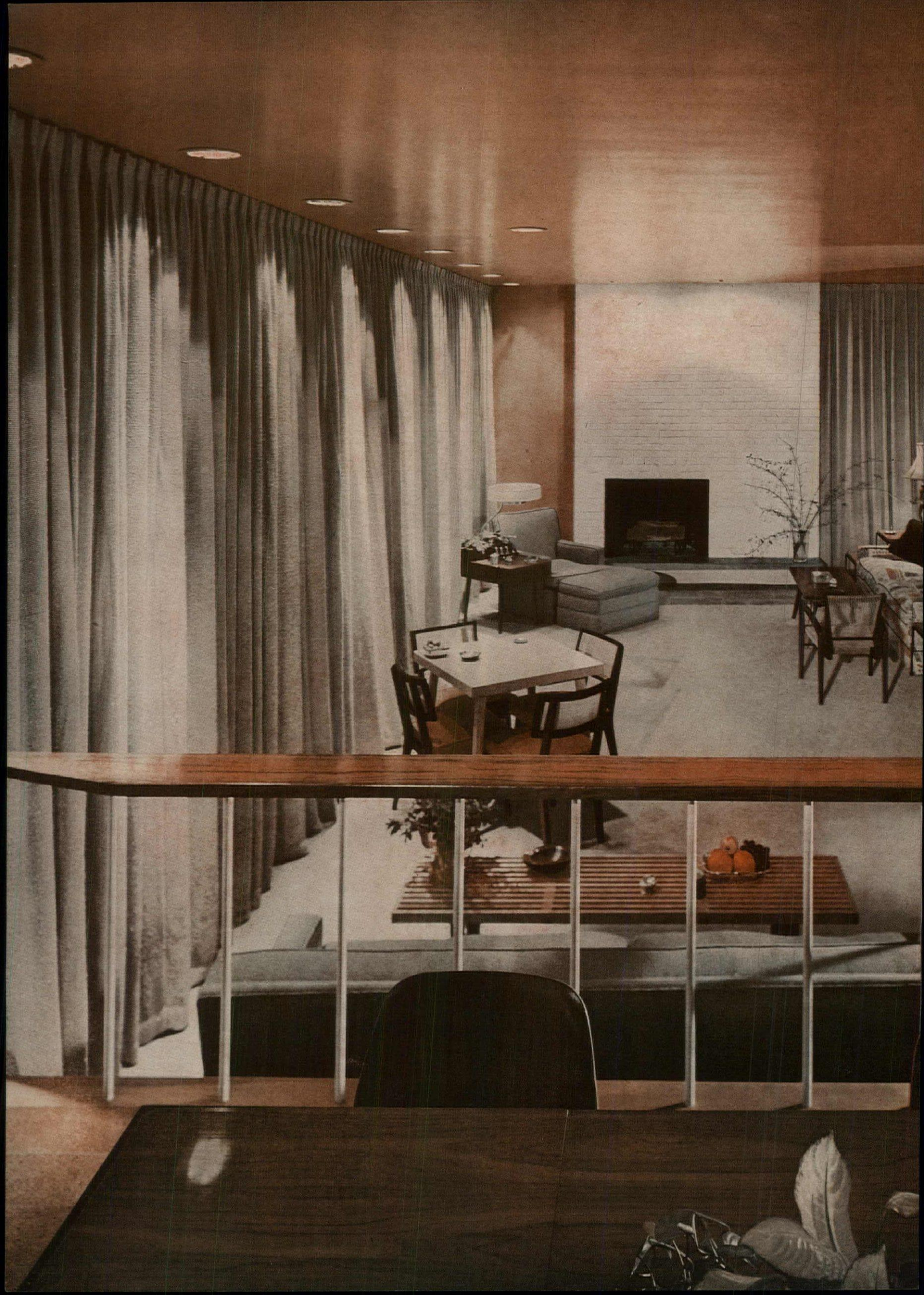


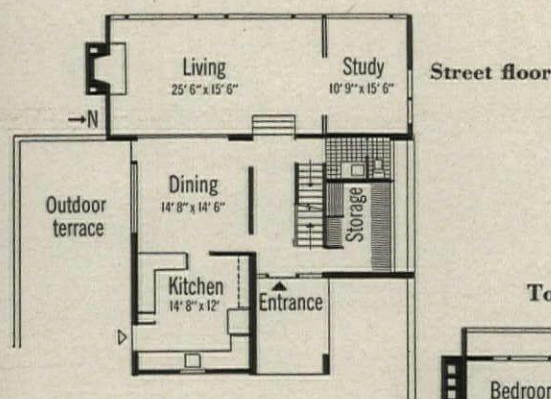
Television room, with ceiling-high sliding walnut doors, gives the children a playroom which can be used by adults in the evening. Hanging shelves add storage space.



A half-wall surmounted by a plant box marks the change in level between dining and living areas. The fireplace wall of grained, matched plywood, lighted by ceiling spots, is the focal point of the living room.

EZRA STOLLER



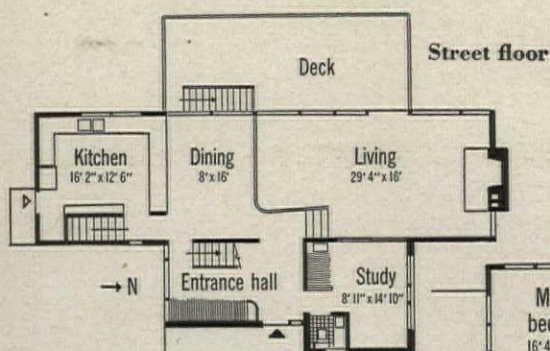
HOUSES NO. 18 AND 19, *continued*

In House No. 19 main living areas are at street level, bedrooms above. Living room provides garden view through building-wide glass wall. Sliding doors close off one end of the room when viewing television.

Top floor

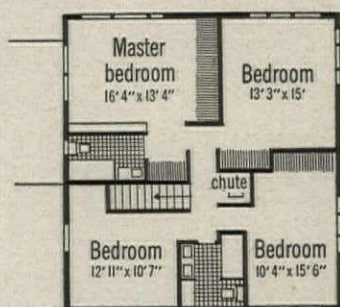


ARCHITECTS COLLABORATIVE,
ROBERT MC MILLAN, DESIGNER



Plan for House No. 18 puts daytime activities at street level. Living room is dropped down to divide dining and living. Glass wall in direct view as you enter opens onto deck. Bedrooms are on floor above.

Top floor

*Opposite*

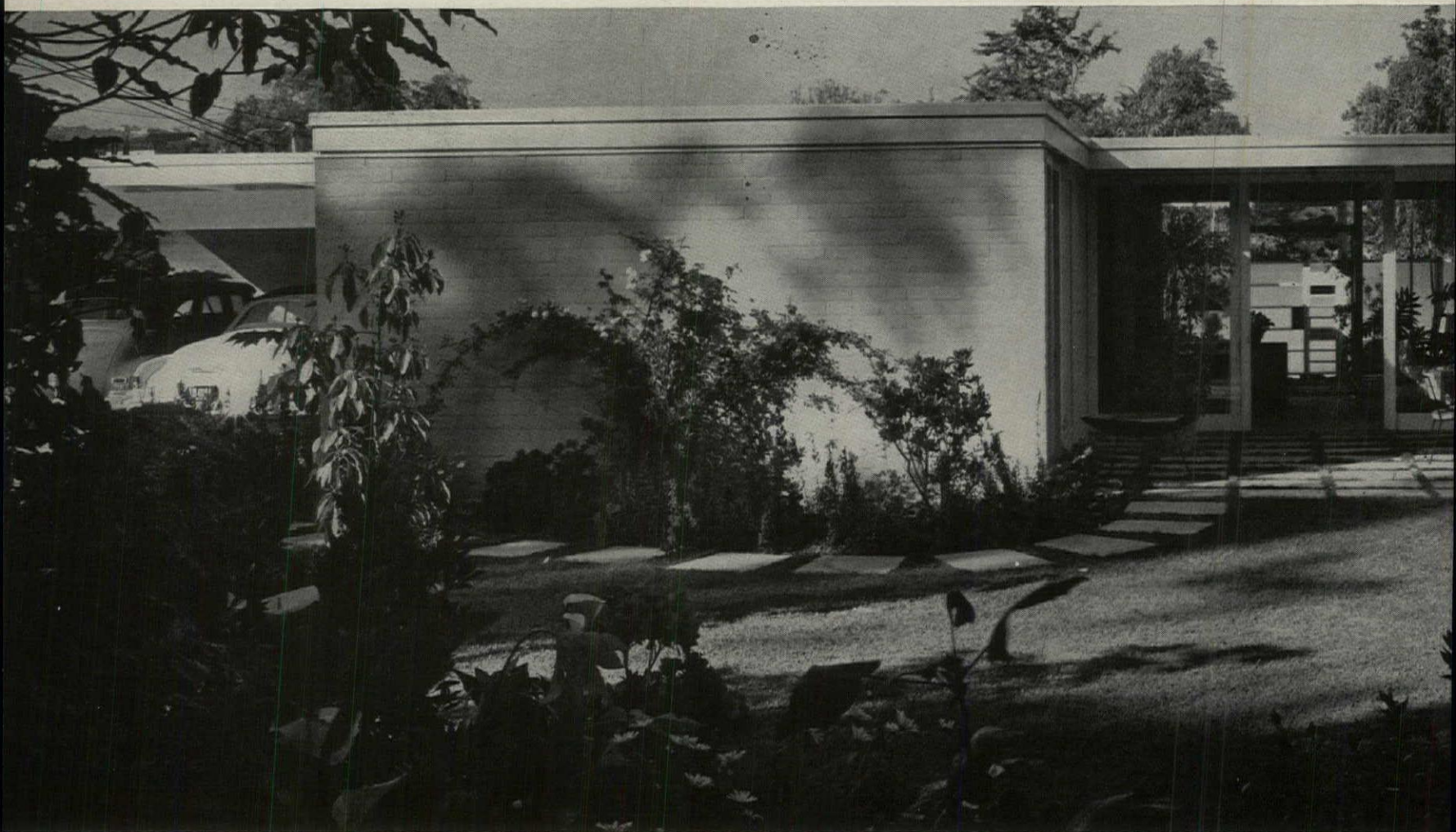
In House No. 18 slender airy railings give the necessary protection with least break in division between dining and living rooms. Look-through to study (above sofa) has a broad counter that holds a swivel television set which can be turned to face either the living room or the study. Curtains on the left cover the entire window wall at night.

Building data, page 209; more pictures, page 162.

HOUSE NO. 20 Outdoor living and seclusion on a

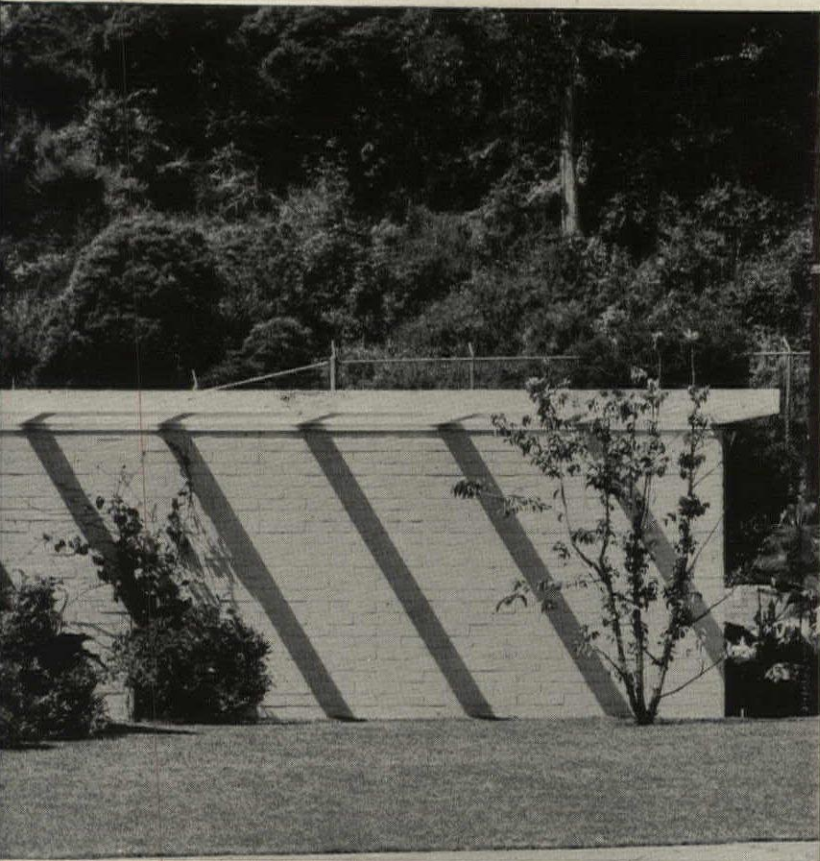


To use as much of its site as possible, this house was built almost on the boundary line. Glass fences, carport help enclose it



An outdoor sitting room serves to double the size of the living room and the back bedroom

small corner plot



Even on a small corner lot, with traffic on two sides, you can have quiet and privacy

Fences of translucent glass add two terrace rooms to this four-room house

A minimum of interior finishing saves money, can actually add space and textural interest

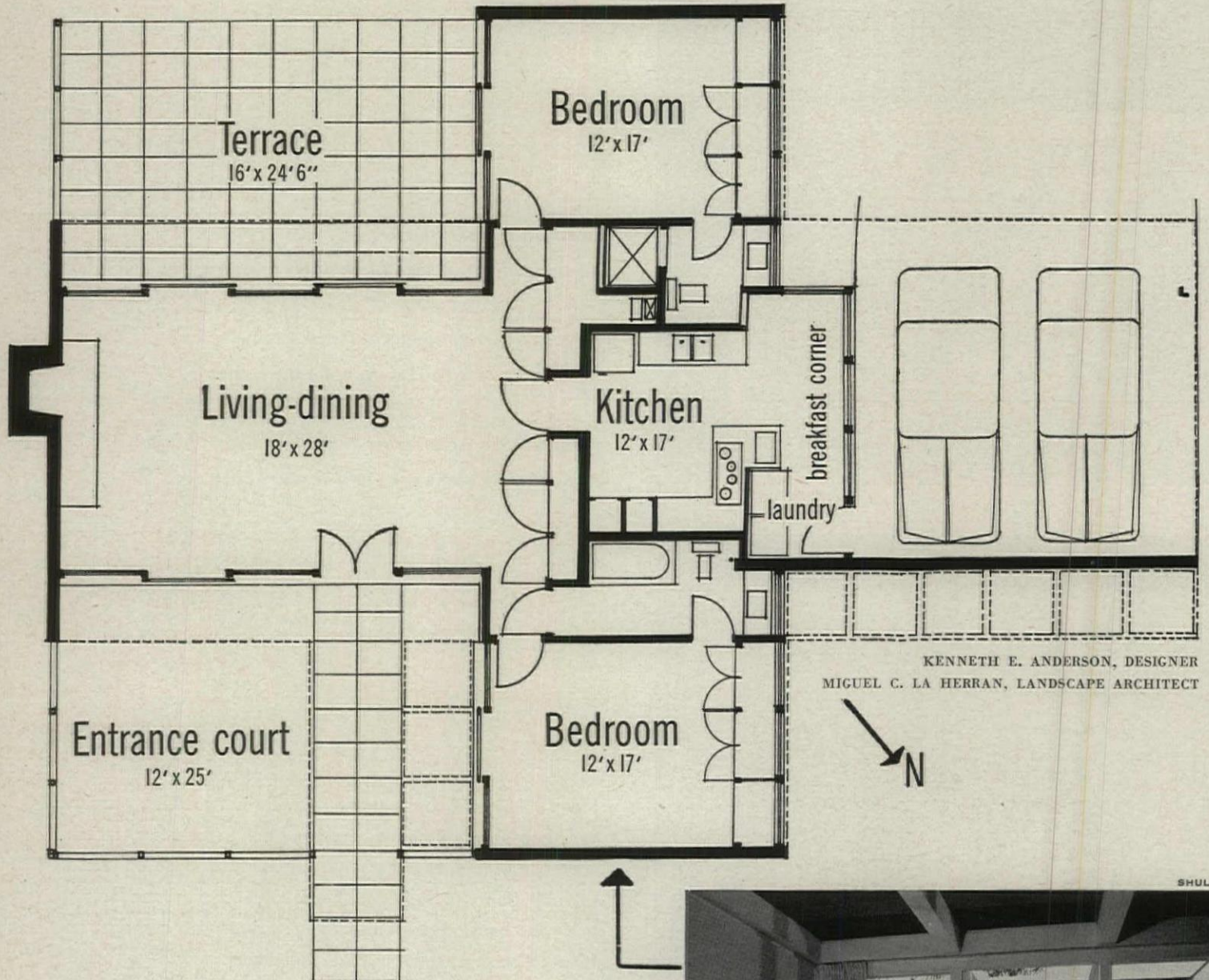


SHULMAN

Do you believe you have to have acres of land for privacy? Or a large site to enjoy outdoor living? Then study this small (four-room) house in Los Angeles. Even on a corner lot in town, 89' by 129', and exposed to traffic on two sides, you can use almost every inch for living and add at least two terrace rooms to your house. But you must be willing to be just a little bit different. Build your house close to your boundaries; use your house walls, your garage or carport, a hedge, or trees to enclose your lot. Add tall fences where you need them. (There is a great variety of fence materials to choose from, including louvered wood or new corrugated plastic panels in pastels, etc.) If you don't like to feel fenced in, you might create a wall of translucent glass, as was done here. These glass fences give you full protection from passers-by, while letting in the light. They can be placed to create a sun-bathing spot outside your bedroom or a terrace for dining, lounging, or entertaining. This little house also proves that small space needn't cramp dining arrangements. It allows at least three different dining areas: a breakfast alcove beside a window in the kitchen, a dining area in the living room, and the patio for outdoor meals. *Continued on the next page.*

This house has only 1,363 square feet, exclusive of the carport and pergola, but a "cross" plan gives each bedroom a private garden

By studying this plan you can see that the house is arranged in the form of a simple cross. The kitchen is located right in the center of the cross and is therefore easily reached from all the rooms. Despite this central location, there is no feeling of being cooped up in the kitchen since its windows look out through the open carport. Another advantage of this arrangement is that the kitchen separates the two bedrooms, thereby giving each one individual privacy. And finally, note that despite the size of the house, each bedroom has a bath, garden. *Building data, page 209.*



The front bedroom is just a few feet from the sidewalk, yet has a wall of glass to make it seem more than twice its size. It turns a blank wall to the street, looks directly out on the front garden and entry protected by the translucent glass fence. When guests are expected, or the garden is used as a living room, curtains are drawn across the glass wall to close off the bedroom and give it privacy.





DEARBORN MASSAR

North side of the house opens its windows onto a grassy play area under towering firs with a view of a golf course beyond

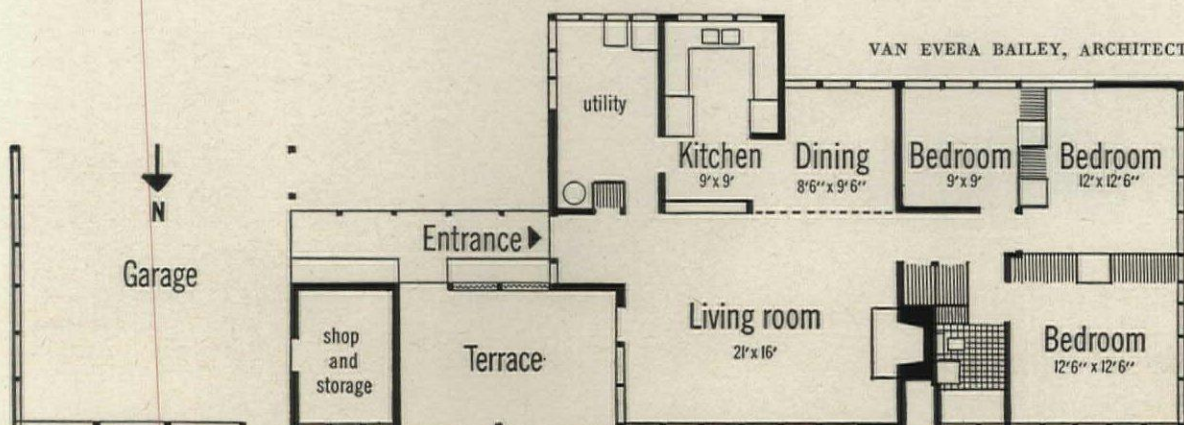
HOUSE NO. 21

For economy, add the finishing touches yourself

A young Oregon couple saved money by building a terrace and barbecue, painting inside and out

Clerestory windows on the street side of the house give privacy and cross circulation of air, let winter sunlight in living room and kitchen

If your budget is the stumbling block between the house you dream of and the one you can afford, why not roll up your sleeves and go to work? There are a great many jobs that a home-owner can do himself if he is industrious, patient, and likes to work with his hands. With a little skill, almost anybody can paint a house inside and out. Tile floors are easy to lay; barbecues are fun to build. All these jobs were done by the owners of this house in Oswego, Oregon, with substantial savings resulting. Another cost-cutter was to use movable, space-saving storage cabinets instead of partitions. Carrying no ceiling weight, these cabinet walls can be as easily taken out as they were put in, and the bedrooms can be replanned to meet future changing needs. The exterior walls are made of rough-sawn Douglas fir treated to an oil finish. House has 1,250 square feet, exclusive of patio, storage room, carport. *Continued on page 163; building data, page 209.*



The floor plan shows the use of movable storage walls made out of natural hemlock flooring. These walls eliminate bulky furniture and save space. In future years, they could be easily shifted or even removed entirely to create a different arrangement of rooms.

HOUSE NO. 22 House with ideas for indoor-outdoor living borrowed from Hawaii

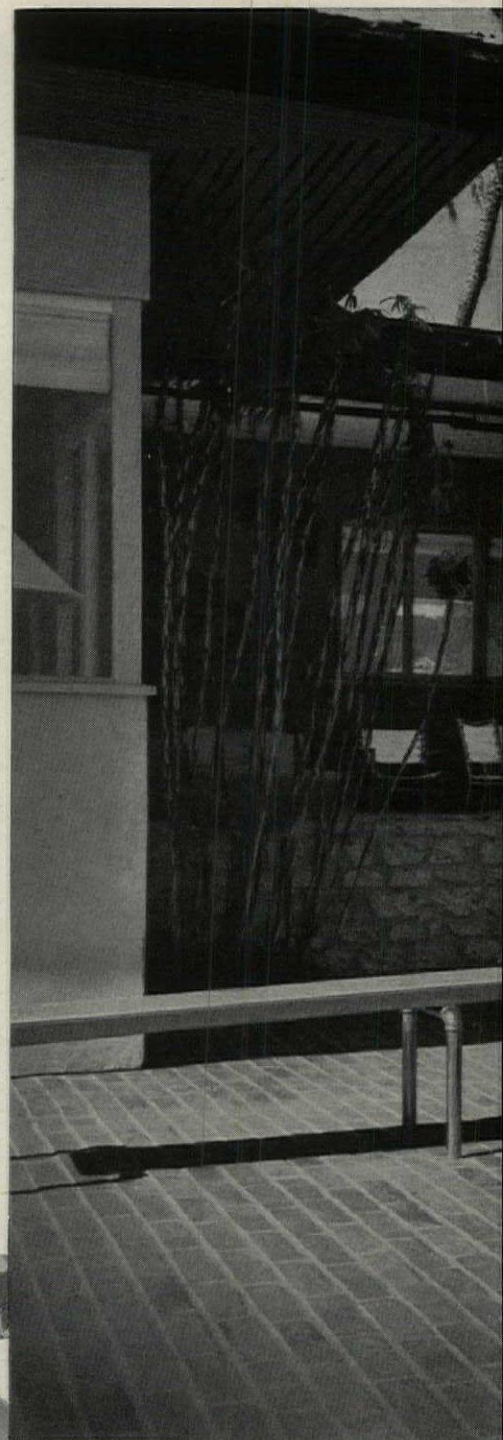
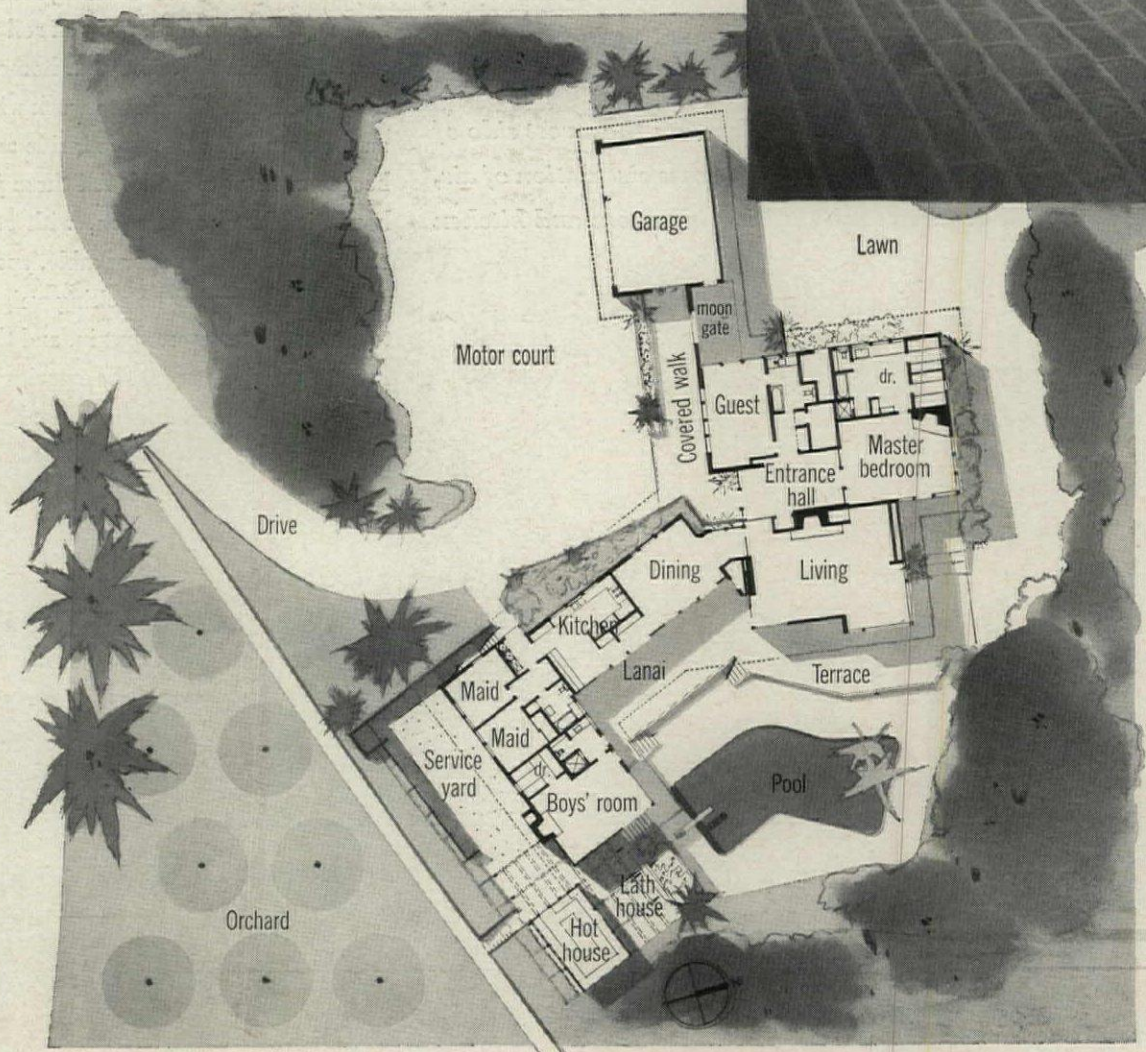
Many ideas developed on the Islands can be used in the States

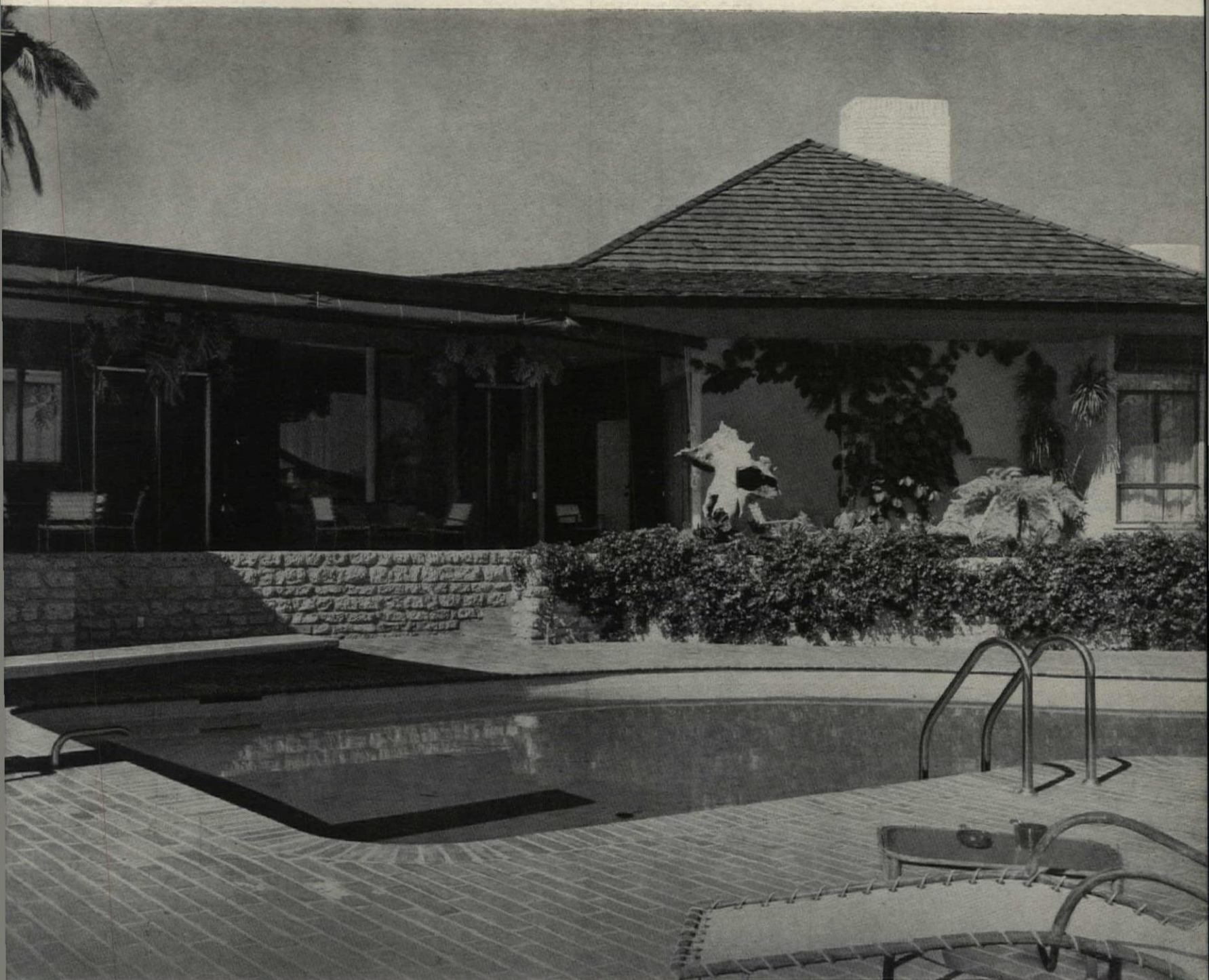
Hawaiians have a way with outdoor living which for sheer comfort and delight is hard to beat. This house in Los Angeles borrows the Hawaiian lanai (a room with one wall open to the weather), makes it the center of the house overlooking a swimming pool and the city below. Since the kitchen is nearby, poolside lunches are no problem. If the breeze becomes chilly in the evening, radiant heating coils under the lanai floor heat the area while plastic curtains form a windbreak. It is sheltered by the broad eaves of the Kanaka-shaped roof, an adaptation of the roofs of Polynesia, which provide a sunshade and keep rain out of open windows. (Continued on page 185)

BURTON A. SCHUTT, ARCHITECT

The plan gives privacy and a wide-angled view by following the rim of its hilltop site

The plan expands from a four-room apartment (for the owner and his wife) to a full-size family house (when their three sons are home). Wide eaves forming outdoor walk-ways to most rooms also create shade for the tropical plants which the architect has silhouetted against the walls. The hot-house is for raising flowers and the owner's collection of orchids. Plants that are ready to bloom are cooled in the lath house, then moved indoors or to the terraces.





Lanai faces southeast: on hot or cool days (the floor is radiant-heated and transparent curtains serve as a windbreak) the family can entertain here



Unusual plant groupings, like these outside the living room, transformed bare hilltop

Plant beds, vines, and lush foliage enhance the brick-paved area around the swimming pool. A raised terrace adjoins the living room and lanai.

SHULMAN



At northwest entrance, lattice wall, laced with ivy, screens the guest-room windows

Behind the lattice is a covered walk which leads from the garage to the entrance. A large motor court in the foreground provides plenty of space for guests' cars. Tropical plants in beds lie directly under the dining-room window.

HOUSE NO. 23

An upside-down plan for a growing family

*Why not reverse the usual order of floors?
Give your children the freedom of street-level
rooms, give yourself the quiet of upstairs*

*A second-floor terrace affords a screened,
outdoor dining area, an open sundeck*

*A children's playroom just inside
the front entrance can be closed
off whenever guests are expected*

Do your children turn your house upside down? Perhaps it isn't designed to meet the needs of both adults and youngsters. Children need room to roughhouse in freedom; adults need an attractive place to live and entertain in. Few conventional houses provide both, unless they can afford entirely separate wings for each generation. This relatively small house (3,900 square feet, including porches, deck, garage) in Washington, D. C., shows how much comfort you can have if you decide not to be bound by convention. You can reverse the usual order and put a playroom and bedrooms for three children on the street floor, living-dining room on the top floor. The more you examine it, the more sensible this proves to be. The site here was a narrow, steep slope, only 40' wide at the front; in order to gain space, it was necessary to plan a three-level house. To prevent any cramped feeling, the stair well was designed to open the house up from ground to roof. Seen from the street, the house seems to have only two levels; basement level opens onto the back garden, has a recreation room, utility room, maid's room, bath. The children's playroom is on the street floor, which cuts down the endless up-and-downstairs trek that creates noise and disorder. The adults' top floor is only six feet above the front entrance, yet it not only provides a calm haven, but it also has a better view and more privacy from the neighbors than could be possible if main rooms were on a lower floor. *Building data, page 209.*



You enter the ground floor from the back garden, where the children have a fenced play area. Because site slopes so steeply, the center (bedroom) floor rests on a series of steel columns.

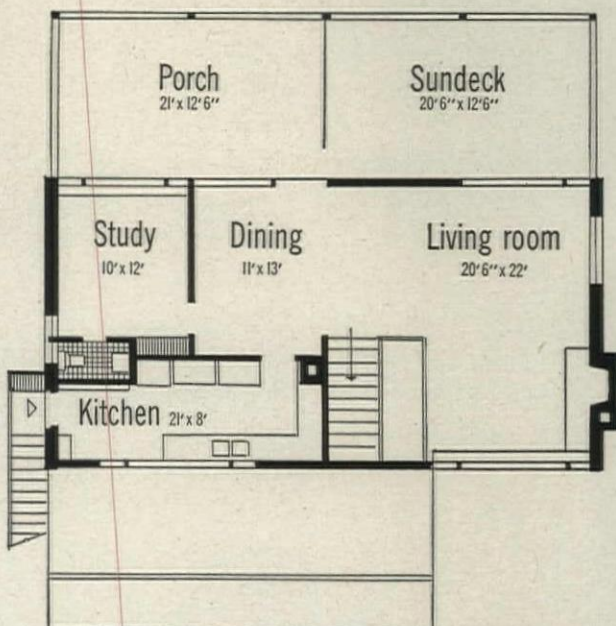


House door is at right; large, yellow plastic mailbox is set into a translucent glass panel beside door. It extends inside house so mail can be picked up without making an outside trip.

On the top level, right and below, a housewide terrace room creates a screened porch for outdoor dining, an open sundeck outside the living room. Corrugated plastic panels in porch ceiling filter in light. Glass walls merge indoors with outdoor terrace.

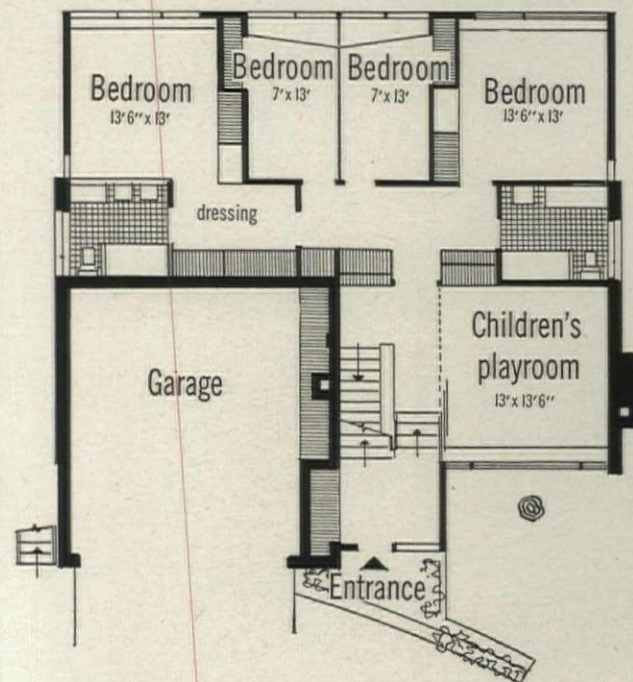


EZRA STOLLER



Top level

KEYES, SMITH, SATTERLEE &
LETHBRIDGE, ARCHITECTS



Street level



When you enter the front door, above, you have an immediate feeling of space because you can see clear up to the roof of the house; slender, white iron stair railings don't shut off your view. The plan of the street level, left, shows the children's playroom just off the entrance hall, which can be closed off by sliding panel doors. A dressing room at the entrance of the master bedroom helps keep it private. Partition between two tiny bedrooms is made so that it can be easily removed at a later time to create one large room, if needed.

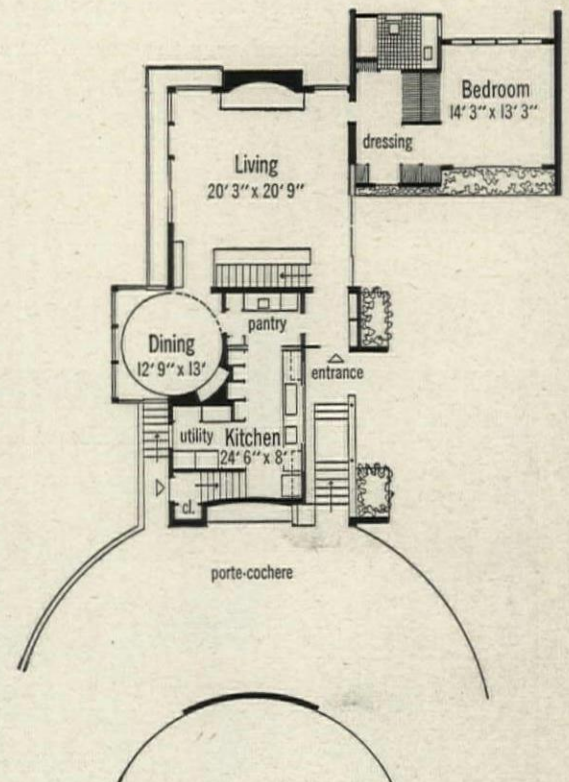


HOUSE NO. 24

Easy upkeep, attractive appearance with simple building materials

Both inside and out, this Hawaiian house makes the best possible use of the natural textures of wood and coral rock combined with white concrete blocks

It is the variety of texture which gives this house its informal look. Outside, tawny coral rock is used in combination with plain, whitewashed concrete blocks and striated wood. Inside, there is more concrete block, this time combined with the sheerest silks of China, with gold Chinese tea paper, with the glossy sheen of Biedermeier, Chinese teak, and antique furniture of the Hawaiian monarchy which shows English influence. In keeping with the materials used in its construction, the plan of the house is also simple. It was designed with three dominant ideas in mind: easy upkeep, entertaining, and privacy. The upkeep problem has been minimized by the simple materials; entertaining is made easy by the close relationship of the kitchen, circular dining room, living room, and walled patio; privacy is achieved by the patio wall and also by placing the service rooms closest to the driveway. Intelligent use of the sloping site gives all the main rooms a view of the surrounding hills. *Continued on page 187.*



VLADIMIR OSSIPOFF, ARCHITECT

House extends back from circular drive. The roof reaches out over the drive to form a porte-cochere.

WERNER STÖY: CAMERA HAWAII



Opposite

You enter the house on steps of coral rock, between a wall of whitewashed concrete blocks and a house wall of light native wood. Combined with the striated wood ceiling and the translucent glass panels beside the front door, these materials create a dramatic, all-pastel effect, accented by the green of tropical plants on two sides.

The low, horizontal lines of the house give it a definite contemporary look. The patio garden is at the right, enclosed by a high wall for privacy. Grounds on either side of driveway are planted with white star jasmine.

HOUSE NO. 25

A hillside house lets you live among the treetops

Perched on a hillside, nestled into the trees, this house opens its rooms to the sun and the view by means of an outdoor deck, extensive use of glass

On a sloping site, you can raise a house up on posts and save the cost of excavating a basement.



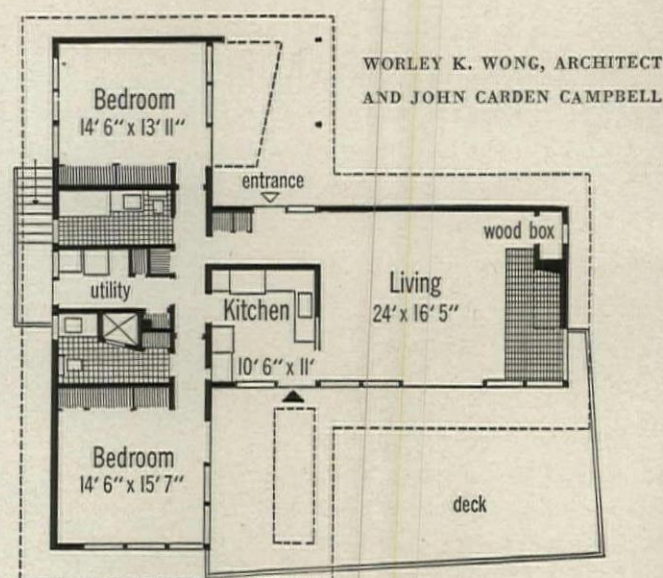
The clean, crisp lines of the house contrast with its leafy surroundings. In summer, the doors open all the way back. In winter, the living room can be partially heated by the sun. House is level with drive at front.

ERNEST BRAUN



Just like a tree house, this wooden sundeck projects out beyond the house to form a platform in the air. The enclosing railing has built-in seats running around two sides. Overhang shades the living room.

One solution to building on a slope is to dig a hole in the hillside and anchor the house into it. But if you want to save yourself the cost of excavation and also get your house up into the air where the view is good, the trick is literally to build a platform out from the hill and put the house on it. That is just what was done with this small house in Kent Woodlands, California. The platform is supported by a series of posts, and the deck projects out beyond them. The house itself has a simple T-shaped plan. Designed for a bachelor, it has a separate bedroom and bath for a guest. The kitchen is right at the cross of the T, convenient to the sundeck and the living-dining room, so that meals can be served in either place depending on the weather. Glass walls on two sides of the master bedroom and on the long wall of the living room face towards the view and provide plenty of ventilation. Even in wet weather, windows can be left open thanks to the unusually wide overhang of the eaves. Outside the house is finished in natural redwood clapboards, and inside it has natural redwood vertical siding. At one end of the living room is a fireplace with a handy wood box.



A T-shaped plan incorporates maximum living in a small space. In approximately 1,500 square feet this house provides more comfort than many larger houses. The kitchen is handy to both the living room and deck.

The projecting garage wing creates a sheltered spot on the north side of the house. The bricked gallery leading to the front door connects the garage and the house under-cover. The space under the steep, sloping roof affords abundant storage space for all the bedrooms.



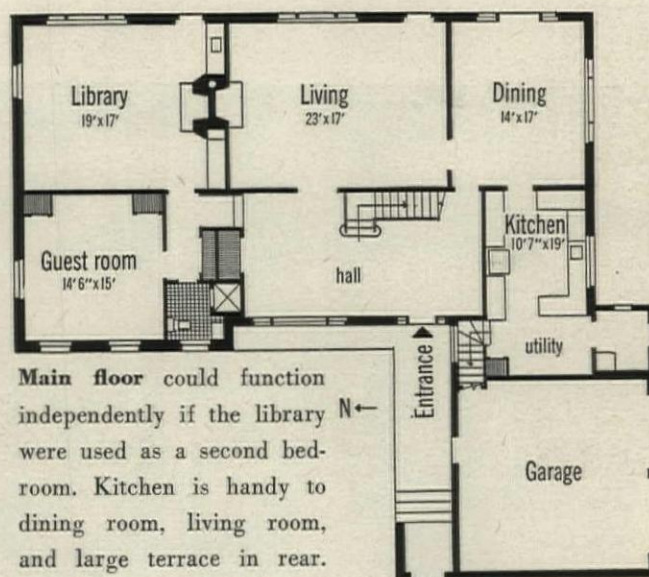
TOM LEONARD

HOUSE NO. 26

House that can meet changing family needs

The top floor of this house can be closed off entirely when desired so that living can be all on one level

A fact not often borne in mind is that families are always changing in size. Children go away to school, get married, come back for visits with their own families. Yet to maintain all of a maximum-size house when only one generation is occupying it is not practical or necessary if the house is planned with foresight. The house on this page is designed to meet just such contingencies. Built in Haverford, Pennsylvania, it has a total of 4,217 square feet, yet a good share of this area is on the upper floor which can be easily closed off, thereby reducing the housekeeping work by almost half. The ground floor is completely self-sufficient, and by itself is no larger than a comfortable five-room apartment. It could function easily with a part-time maid. The convenience of the kitchen to the living areas makes entertaining easy. A wide terrace, large windows on the garden side give the house an air of spaciousness. *Building data, page 209.*

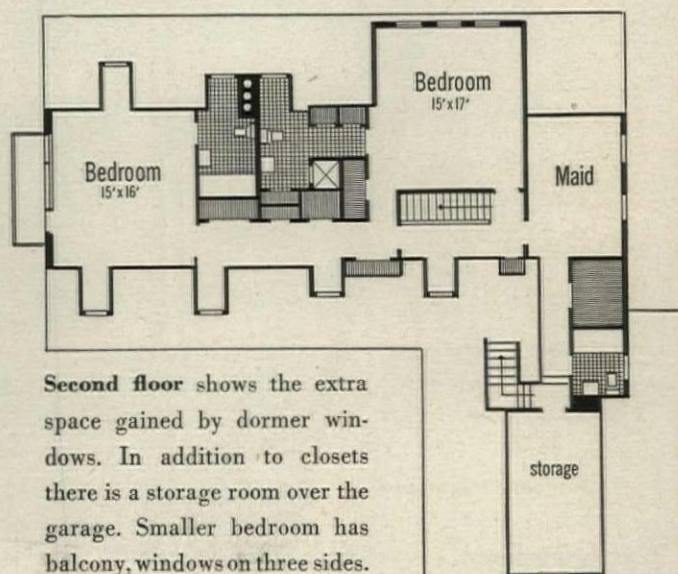


Main floor could function independently if the library were used as a second bedroom. Kitchen is handy to dining room, living room, and large terrace in rear.

WALTER K. DURHAM, ARCHITECT



Steep roof, narrow dormers are in the Williamsburg style



Second floor shows the extra space gained by dormer windows. In addition to closets there is a storage room over the garage. Smaller bedroom has balcony, windows on three sides.

These well-shuttered walls solve hot-climate living problems; they welcome trade breezes, cut off the sun, protect the house against tropical storms

In sun-drenched Miami Beach, the main object is to spend a maximum time out-of-doors, yet be shaded from the sun. While you want to be cooled by every passing breeze, you must also be protected from sudden changes of weather. This house does all of these things besides taking advantage of more than the usual share of tropical greenery and blue water. It is long and luxurious and includes a large drive-in court, a playground terrace, and a glass-louvered garden patio. All the main rooms of the house open onto this patio, which also serves as an entrance. An open, screened section in its roof lets in sun and stars and, thanks to a natural law of suction, draws off hot air. On the terrace side, the living rooms and bedrooms have entire walls of sliding glass panels shaded by a louvered outrigger. Each bedroom opens onto its own garden plot and, beyond it, to the pool. Brick, local woods, and stone, all of which require a minimum of refinishing, give contrasting exterior textures which will improve with age. The house is completely air-conditioned with zoned controls so that one or more sections can be closed off when not needed. *Continued on page 189*

Indoor entertaining

Service wing

Outdoor recreation

Living wing

For large parties, sliding glass walls merge patio, porch, living room,

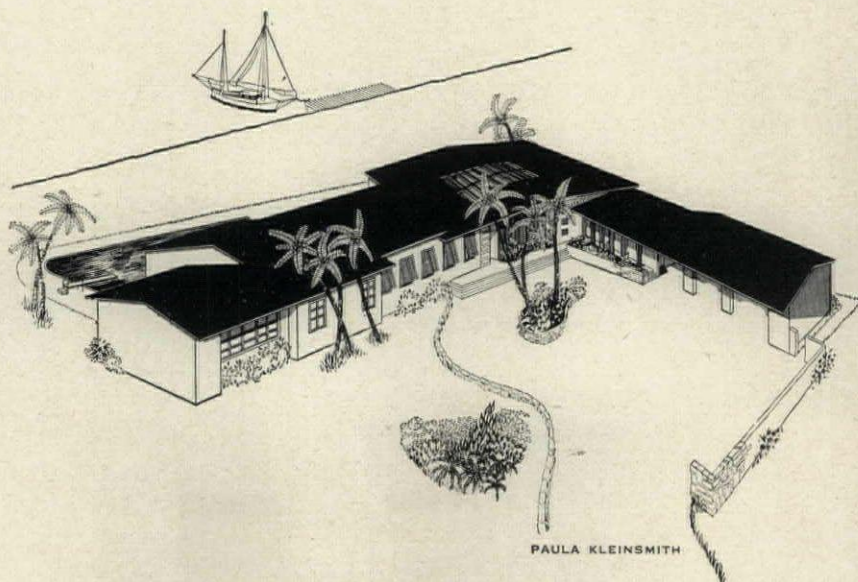
For large parties, sliding glass walls merge patio, porch, living room, and terrace. Kitchen, pantry are handy to in- and outdoor entertaining.



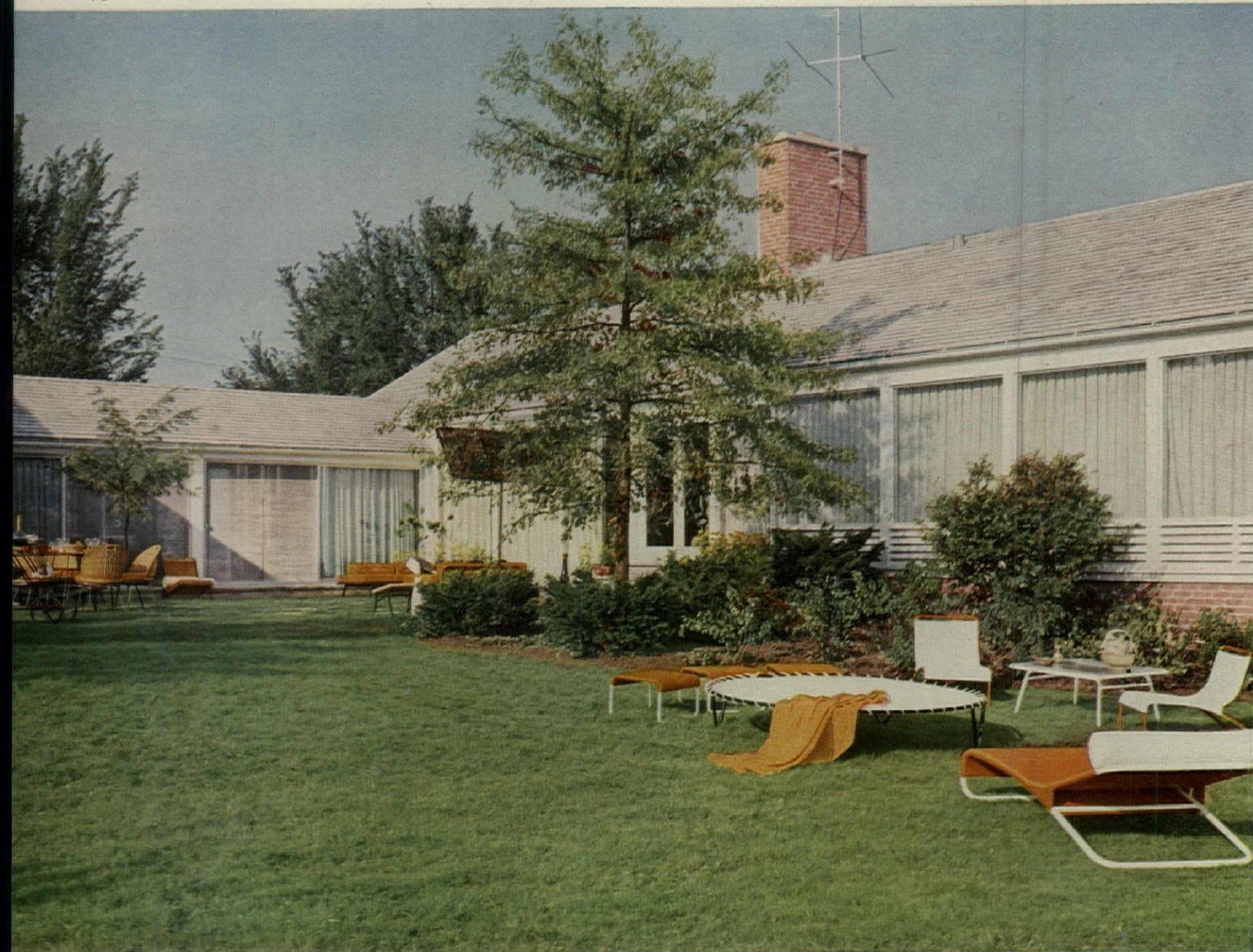
This terrace combines all the things that people go South for: sunbathing, swimming, poolside entertaining

RUDI RADA

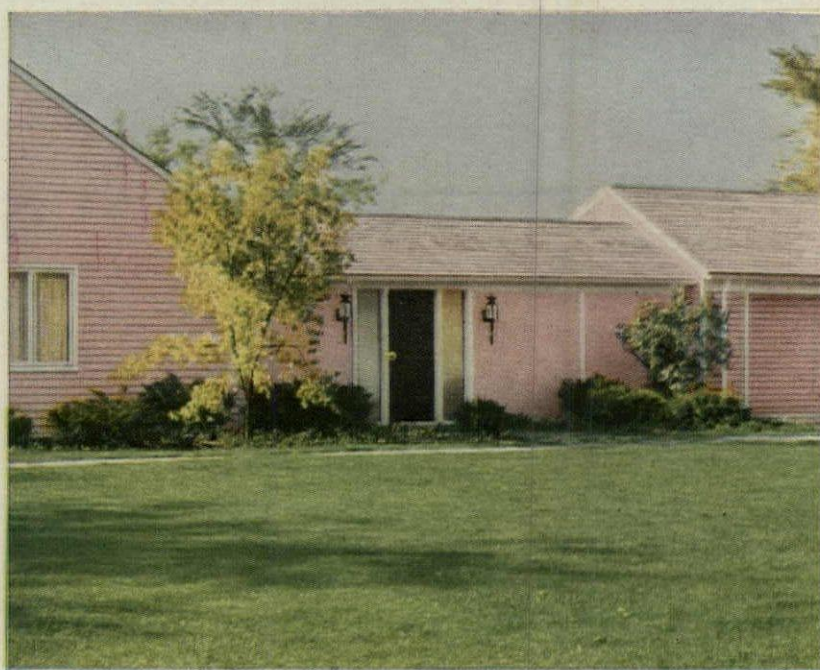
The low sprawling lines and the natural materials used in its construction relate it admirably to tropical, sea-shore surroundings. All the principal rooms look out to sea over either the swimming pool or the partially shaded terrace. The entrance court is enclosed by the two wings of the house. The three-car garage is at the right, and there is plenty of space in the rest of the court for guests to park. Steps lead up to entrance patio which divides two wings of the house.



PAULA KLEINSMITH



HAANEL CASSIDY



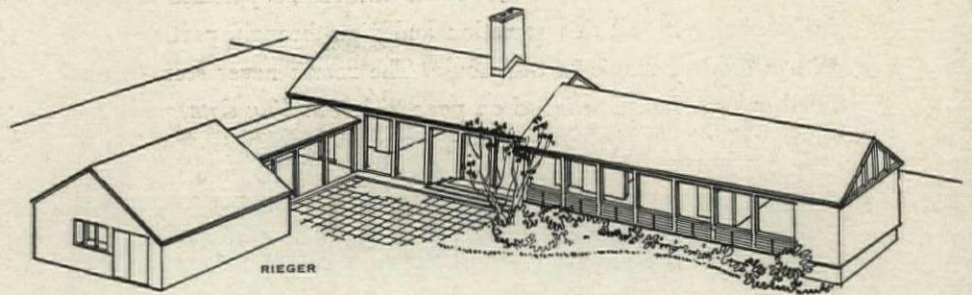
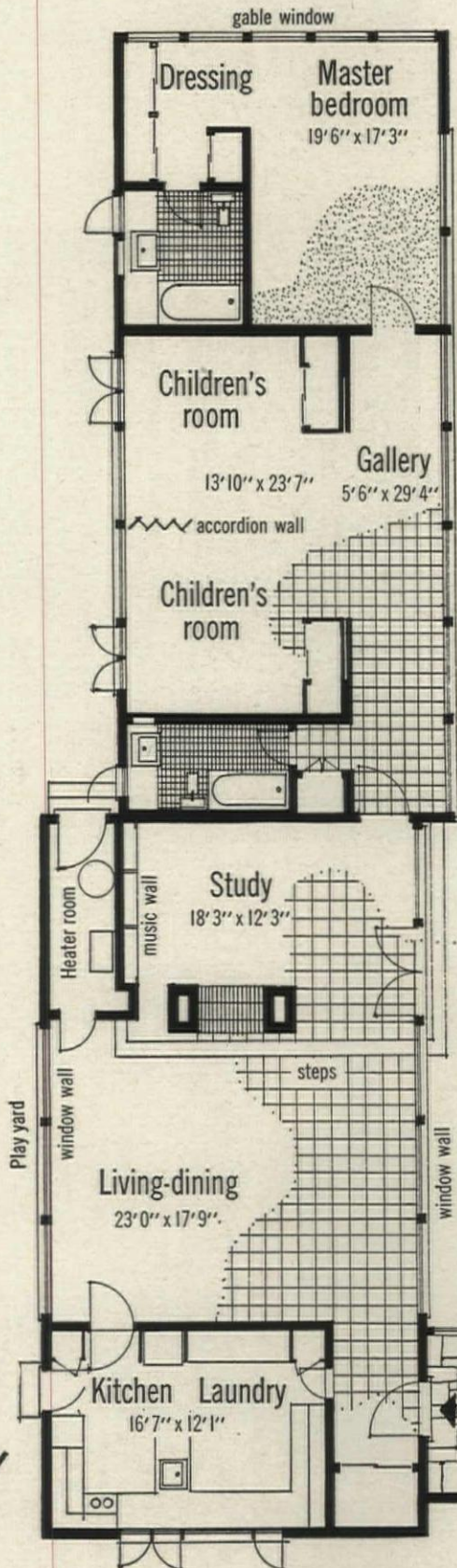
The House of Ideas is a successful mixture of traditional and modern design. The pitched, shingled roofs are characteristic of Illinois farmhouses, the wide window walls and close relation with outdoors are modern. Rear patio (above and lower left) creates summer living room. Front door (above) leads to porch which can be opened or closed to garden.

HOUSE NO. 28

House & Garden's 1953 House of Ideas

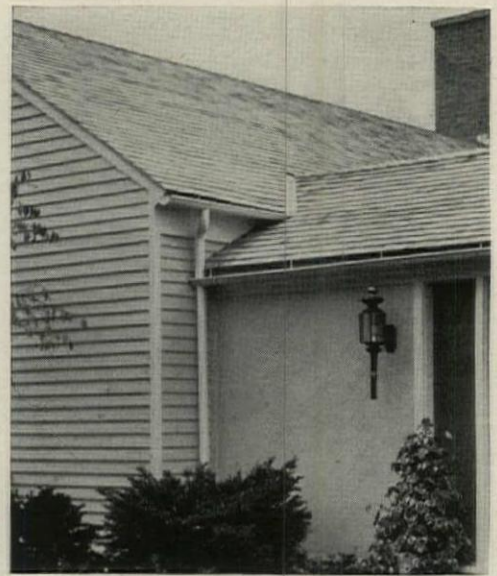
The house we built in Winnetka, Illinois, was planned down to the last detail for the way Americans live today

We built a one-story structure, without attic or cellar, making up for these space economies by a spreading floor plan, ceilings as high as 16 feet, and 100 feet of window wall. A pitched roof gives the house a familiar look, making it at home with its neighbors. Its real living news is in the floor plan which opens all of the main rooms to 90 feet of unobstructed view. Despite all this openness, the house provides a private relaxing center for each generation. Scarcely 10 years ago, most houses would have presented an imposing front to the street as a matter of course. Today's houses literally turn their backs to the street by moving service quarters and garage to the front of the house and moving the living quarters to the more secluded rear of the house. In this house, all the main living rooms face the quiet patio, away from traffic noises. Yet the Idea House retains a friendly front, warmed by coach lamps on either side of the door, which opens onto a living porch with a wide view. This (Continued on page 92)



L-shaped plan of House of Ideas turns living room and entrance porch away from street to form a patio for outdoor living three months of year. Porch, facing south, doubles as year-round sun room. Family bedrooms overlook the garden through the ceiling-high, louvered window walls.

porch connects the garage with the living area of the house and also adds an extra sitting room. Despite the fact that the whole Idea House comprises only 1,800 square feet, it manages to provide 915 square feet of entertaining space. (In summer the patio adds 840 square feet of extra space for entertaining.) To turn this trick we did not skimp on closets or bathrooms or the children's rooms. We merely built into this house a few simple principles which could apply just as well to any other house. The first one is, don't be rigid about *what* room is going to be used for *what* purpose. In this house, there are four main living areas whose usage varies with the needs of the day. To show you how flexible they are for entertaining two tables have been set up in the living room; the small one near the window could be used by the parents for dinner, the long one at the far window for a large buffet party. (Obviously, these situations would not occur simultaneously.) Further flexibility is induced by the wall treatment. You are so little aware of the window walls between indoors and out that the patio seems like a room and is used as one. Its comfortable weather-proof furniture is an invitation to step down into it from the study. It also acts as an extension of the living porch. The glass walls of this porch do a disappearing act, sliding back to make it part of the outdoors in summer, closing it into a cozy room in winter. Between living room and study, a free-standing fireplace, set up two steps, creates a partial wall. These steps, which run the full width of the room, are brick with wood tops. By the simple addition of cushions they make attractive supplementary seats for guests. With all this variation and view-through, parties go off with a kind of magic in this house. The rooms never seem smoke-filled or crowded. *Continued on page 231; building data, page 209.*



Clapboards, beveled to resist moisture, enclose walls of house. Flush boards, laid diagonally, are decorative on front walls of the house.



Sliding doors link living porch and patio. Large, light aluminum units (with insulating glass sash and screens) roll easily on tracks.



Insulating glass saves winter heat loss. All fixed glass panels have two panes of glass with hermetically-sealed air space between them.

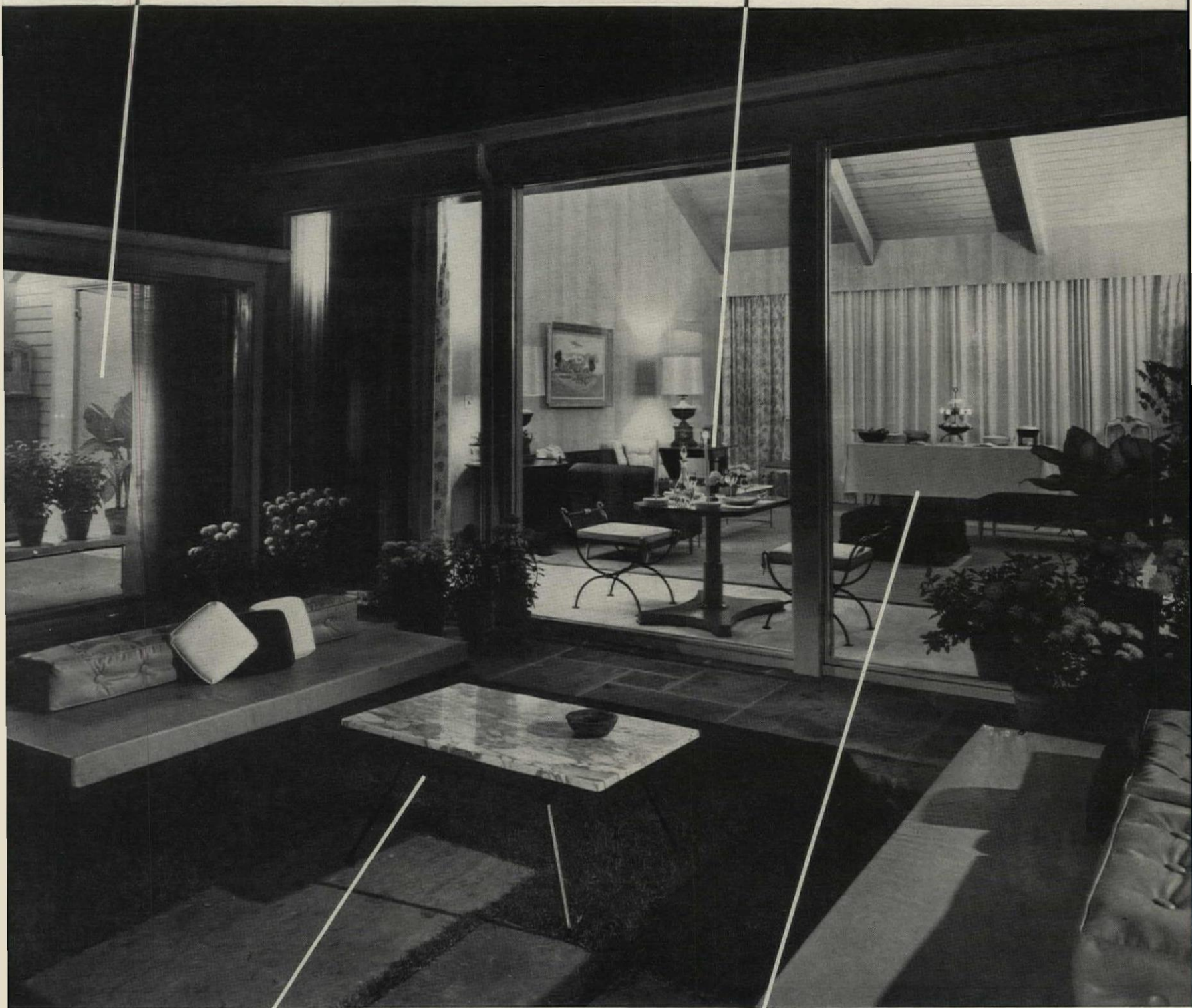


Living-room windows and children's play yard are protected by louvered fence

KERTESZ

1 The living porch has a double personality. In summer its walls roll back to link it to the patio. In winter it is closed and comfortably heated. At any time, it could serve as separate dining room.

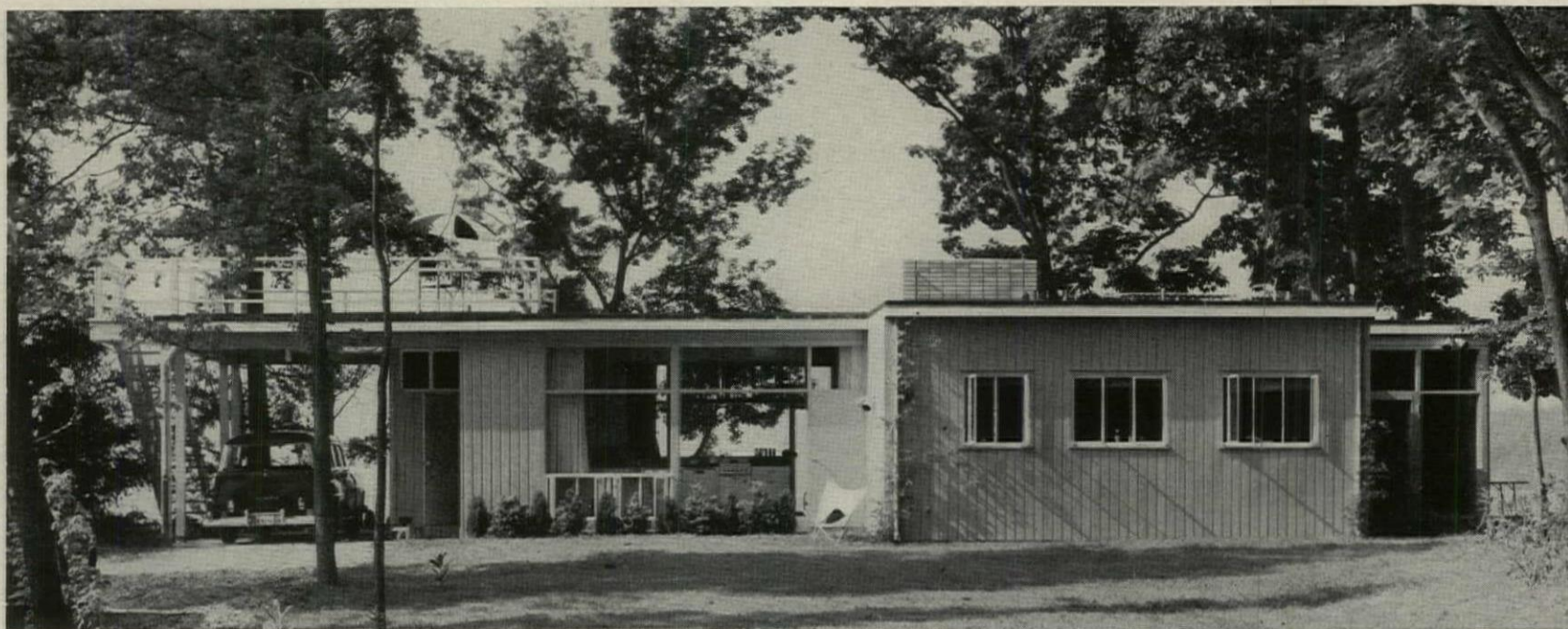
2 The little game table alongside the living room window has two alternative uses. The parents can dine at it when alone. At a large party, it is handy as a base for drinks or for after-dinner coffee.



3 The outdoor sitting area in the patio serves a multitude of purposes: for children's parties, brunches that include all ages, cocktails, after-dinner coffee, sunbathing during the warm summer months.

4 At the long table against the far window wall, the family can dine together. For larger dinner parties, it is set buffet-style. Guests help themselves, carry plates to where they are sitting.

KERTESZ



The front of the house, approached from land side, is framed by fine old trees. Vertical fir siding wall encloses bathrooms

HOUSES NO. 29 AND 30

Two one-room houses that gain a lot of living space from open floor plans

In both houses one big room provides a large open area for dining, sleeping, entertaining, hobbies

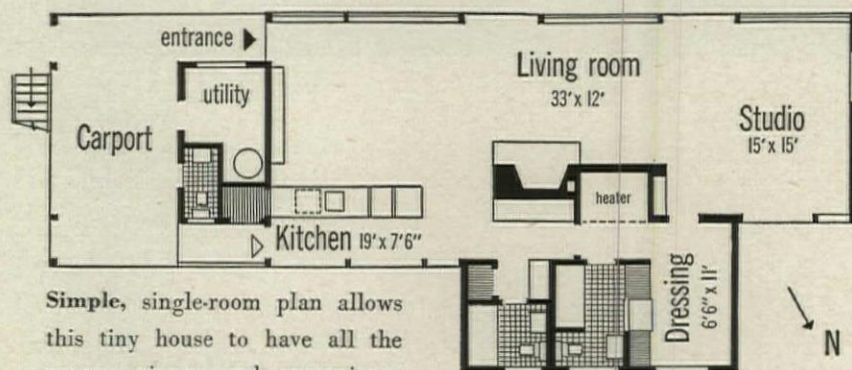
There are few permanent partitions. Swinging doors, storage cabinets, curtains are the dividers

RODNEY MCKAY MORGAN



Glass walls along the river side of the house open it up to the magnificent view, make it seem twice its size. The outdoor dining terrace is laid on top of tree roots, overlooks the Potomac River.

House No. 29 was designed primarily as a week-end retreat. Hence it was purposely kept small so as to hold the problems of maintenance and upkeep to a minimum. Yet in an area of only 1,382 square feet (exclusive of the carport) it manages to combine an air of openness with all the conveniences which are associated with full-sized, year-round houses. Built in Virginia, it sits on a cliff overlooking the Potomac River, on a site that was once part of George Washington's Mount Vernon. On its river side, the floor-to-ceiling glass walls take in the sunny water view. A brick-paved terrace along the back of the house allows for outdoor dining. Inside, the furniture is placed so as to help divide the one big room into three living areas. Curtains hung from tracks in the ceiling can close off each area for privacy. The sculpture studio at one end of the building could be used to house any hobby; it could also serve as a second bedroom or as a guest room. The heater room and the fireplace act as a screen for the two bathrooms and dressing room. *Building data, page 209.*



Simple, single-room plan allows this tiny house to have all the space, privacy, and convenience usually found only in larger houses. Heater room and fireplace are centered, take no wall space.

CLOETHIEL WOODARD SMITH,
ARCHITECT

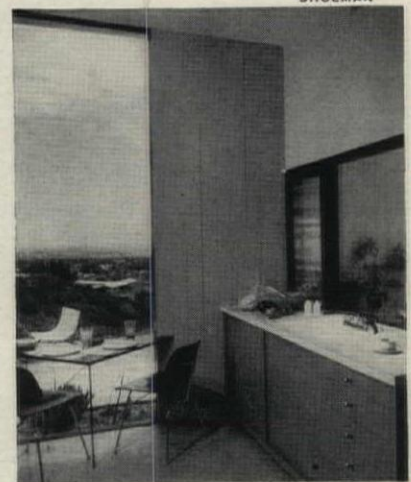


A small, hilly lot left only a pancake of land on which to build the house. Terrace and sliding window walls face south

House No. 30, on this page, is an excellent example of what you can do if economy limits the size of your house. It demonstrates how you can gain numerous advantages by making full use of your space rather than dividing it up into small, cramped rooms. You save money by eliminating expensive partitions, and in addition you have a lot more freedom of design. If you have a view worth cultivating, you can turn one long wall into a wide window and have sliding doors that open onto the terrace, as in this house. By using hard-surface floorings and plaster and cork-covered walls throughout, it will be easy to keep your house in good order without outside help. The result will be like this house in Los Angeles, California. It has only 1,000 square feet (exclusive of the carport and paved terrace) yet there is nothing cramped about it. The sliding glass window walls expose the house to the sunny south. They can be left open to catch the prevailing breezes. A trellis will be added later to shade the terrace on hot days. Pins to secure it were set into the concrete when the house was under construction. Beige stucco walls are accented with black window frames. *Building data, page 209.*

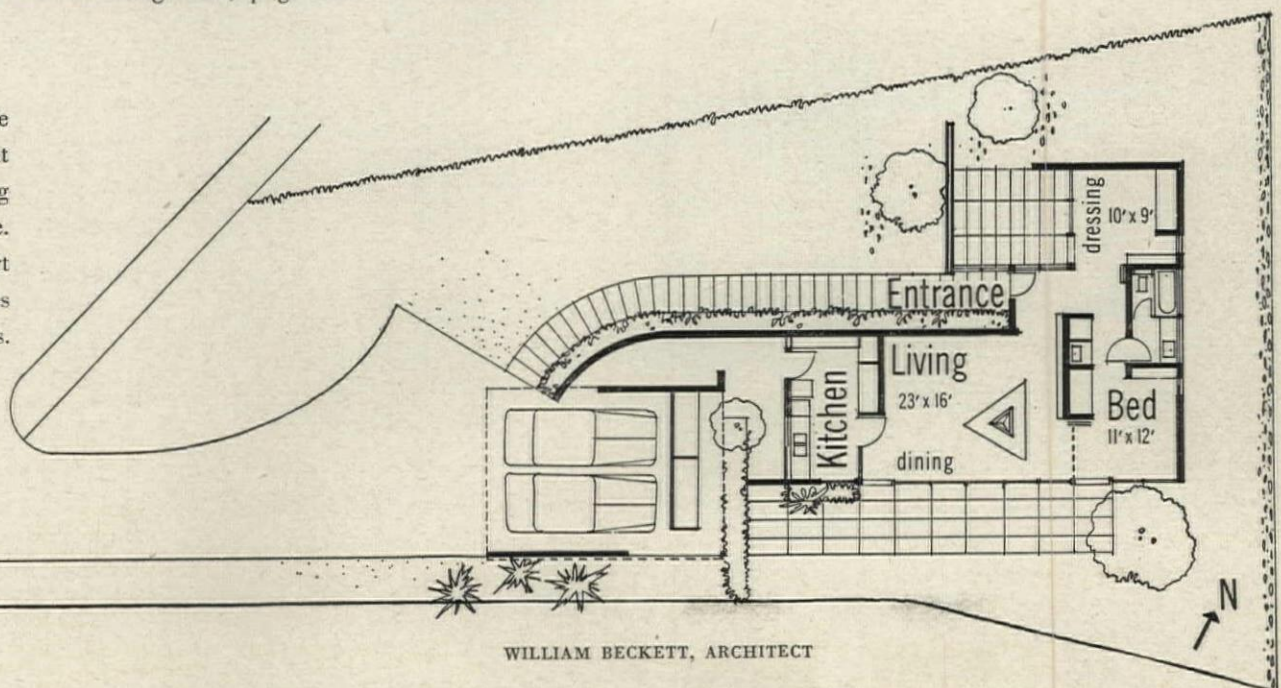


Swinging doors, painted persimmon color, shield dining area on the left. Asphalt-tile floors make upkeep easy.



Kitchen equipment is assembled in single counter at one end of house. Table, chairs are nearby for dining in front of window.

Plan shows how to divide a one-room house without partitions. Free-standing fireplace saves wall space. Bedroom is set apart by cabinet which stores books, clothes, accessories.



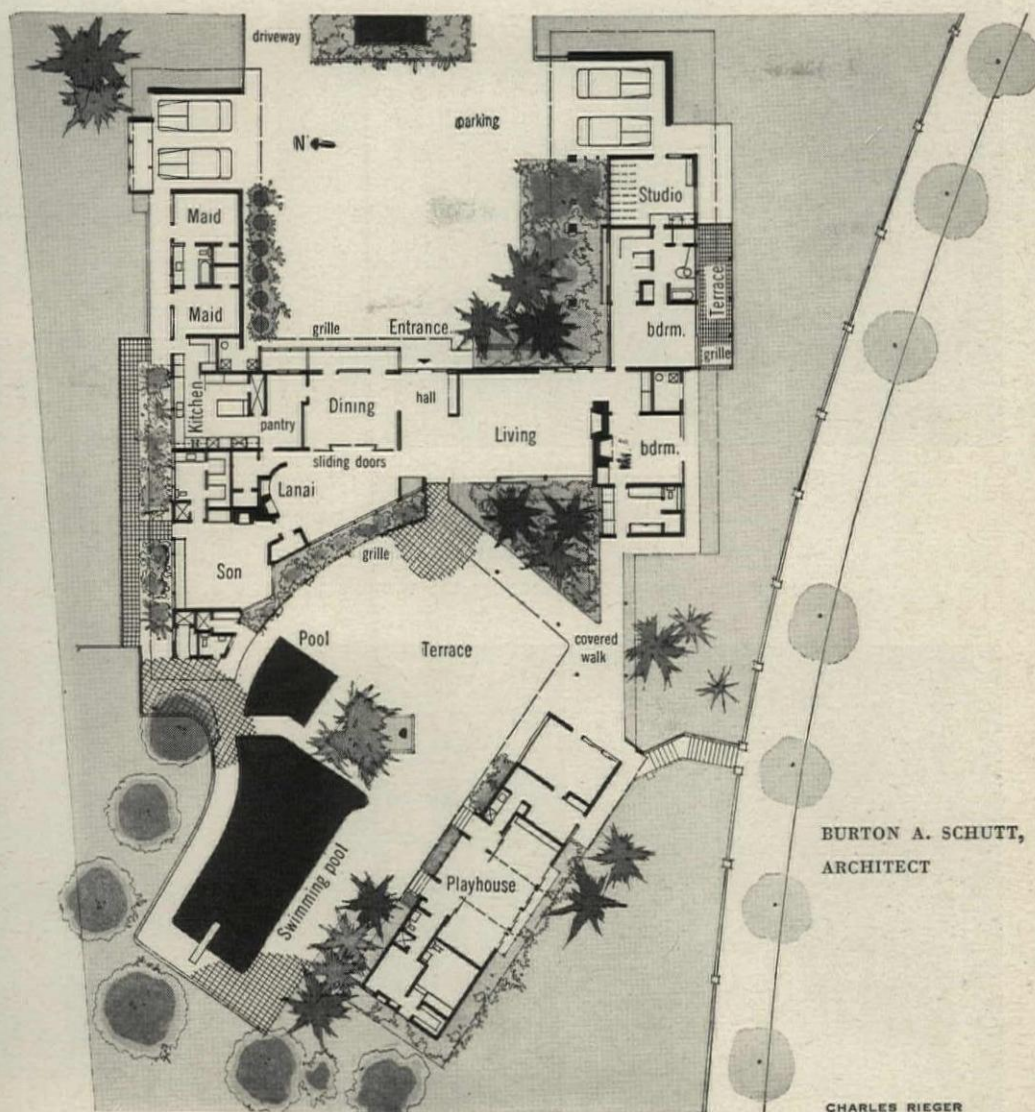


HOUSE NO. 31

Modern house in a romantic mood

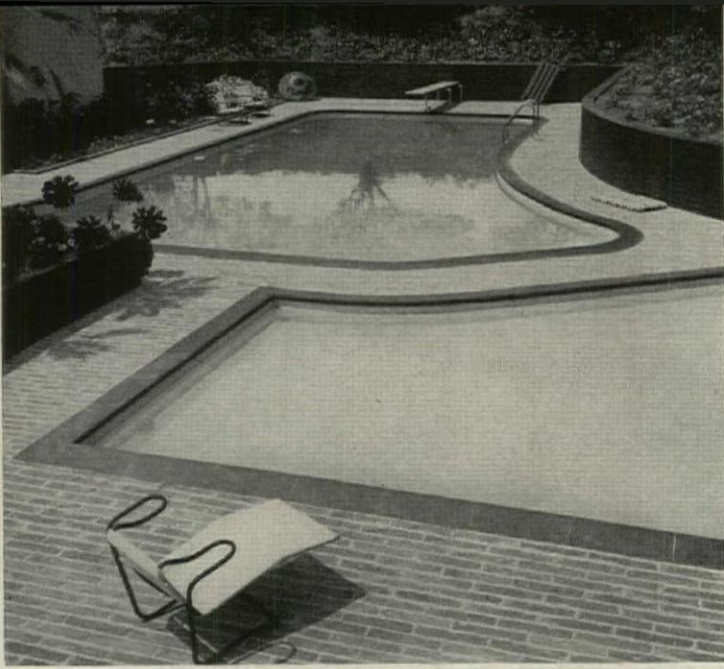
Patio and pools, luxuriant plants, and latticed walls capture the feeling of life on a tropical island

The design of this house in Beverly Hills, California, began with a practical consideration. It had to include facilities for three creative people who wanted to carry on their separate careers at home. The owner is a motion picture producer, his wife is a sculptress, and their son is a composer. The architect's solution was to give each of them a private world tailored to their individual requirements plus a common living area of great flexibility. The owner has a studio and projection room in the playhouse which can be reached from his bedroom via a covered walk. His wife has a studio adjoining her bedroom, and the son has a sound-proof bed-living room in a far corner of the house. All members of the family have easy access to the living rooms, to the patio, and to the pools, which can be flooded with dramatic lighting at night. Series of exterior screens give privacy. *Continued on page 193*

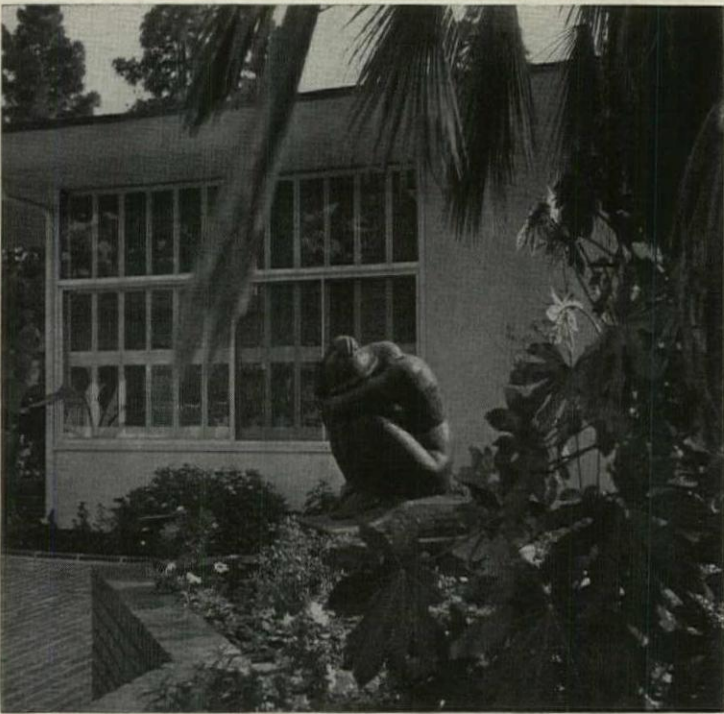


The site plan of the house uses the entire lot for indoor and outdoor living. H-shaped house stretches around perimeter of the lot and gives privacy to central terrace. A playhouse parallels the two swimming pools.

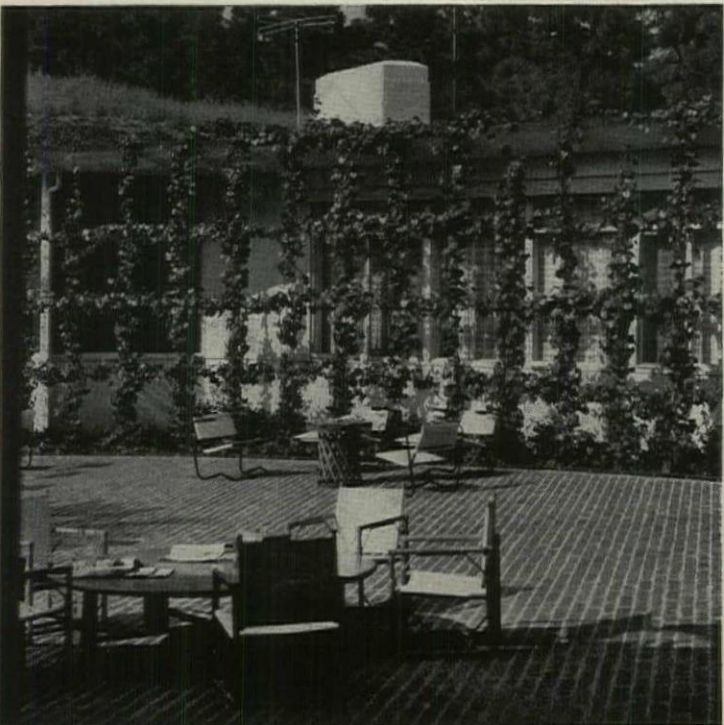
FRED LYON



The two free-form swimming pools are of different depths for bathing or wading. Like paving, coping is gray with turquoise line at water's edge. Chairs are iron or natural wood covered in white canvas.

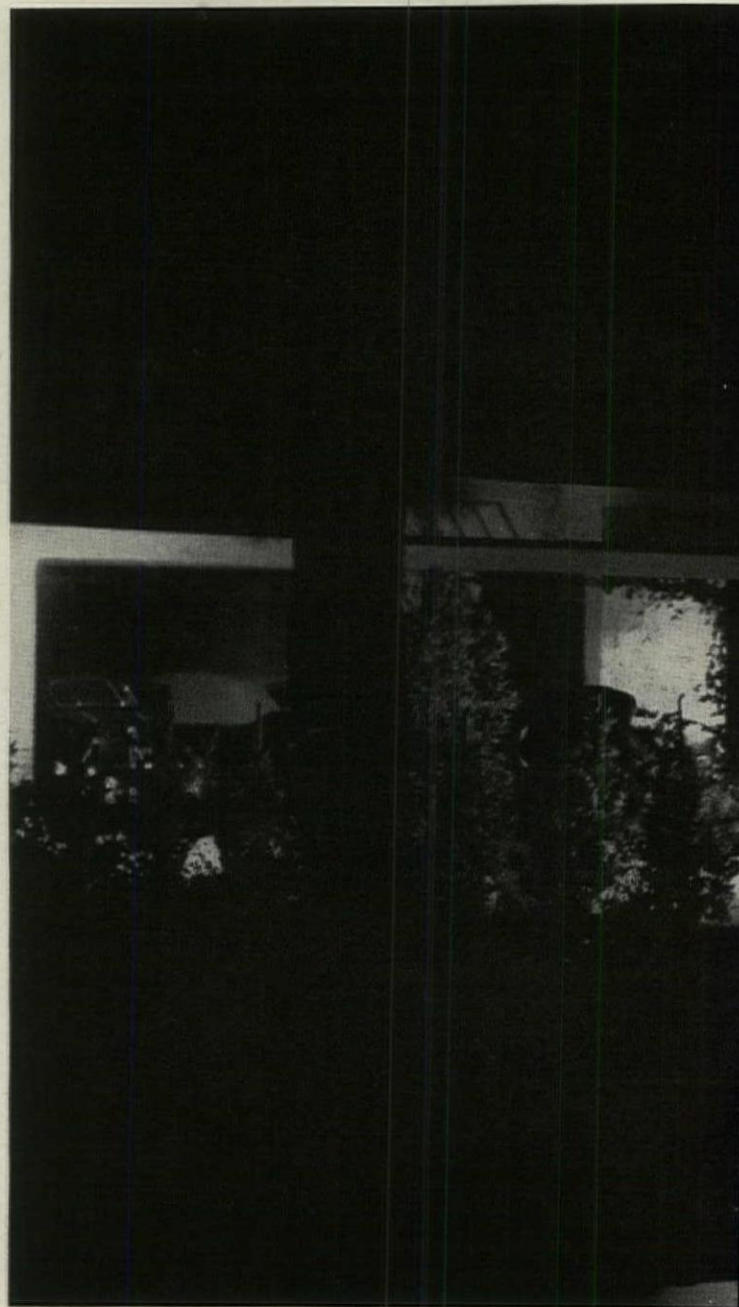


Studio-office repeats openwork motif of screens. When not used for film projection, folding panels divide interior into three overnight guest rooms. Foreground, sculptured piece by the owner's wife.



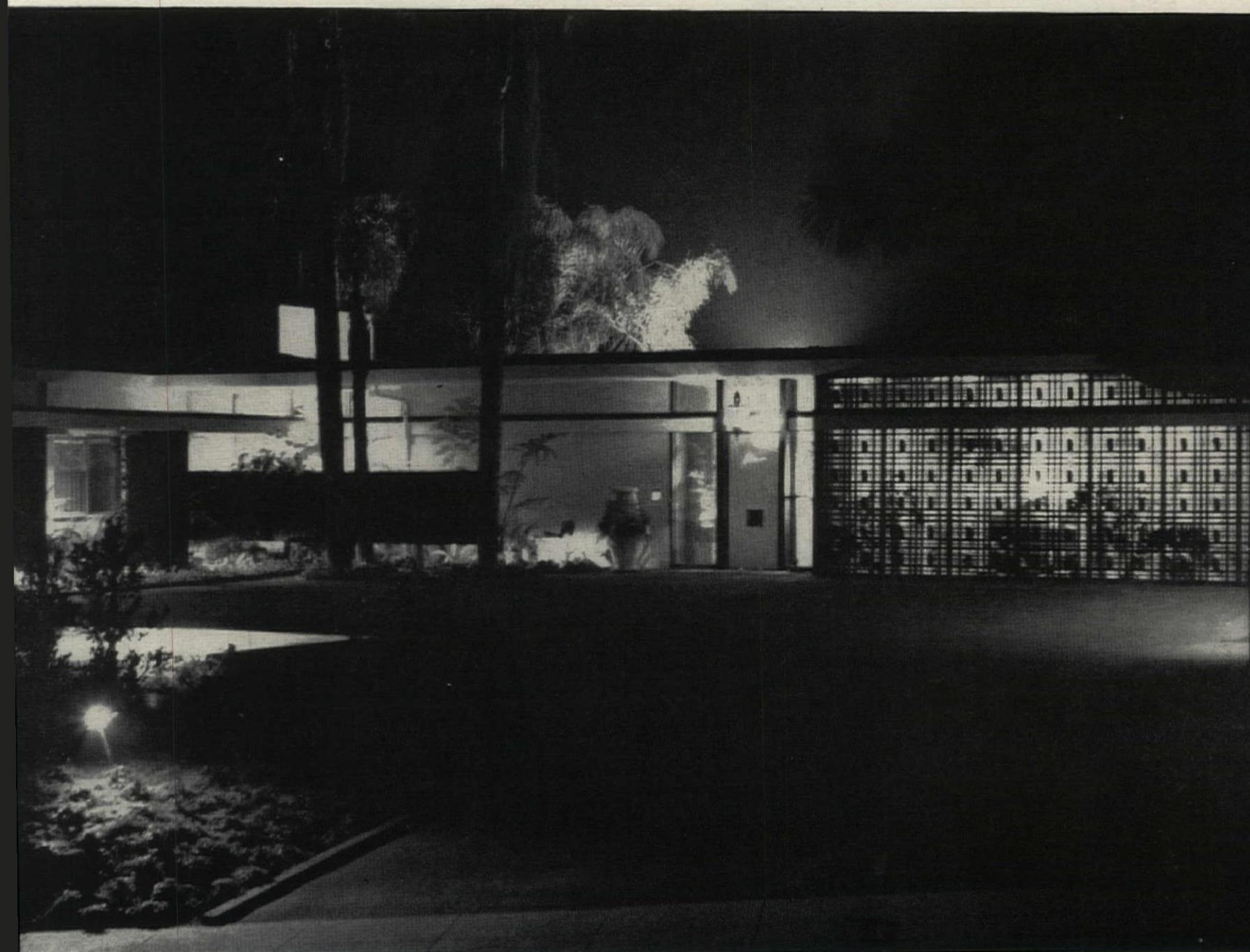
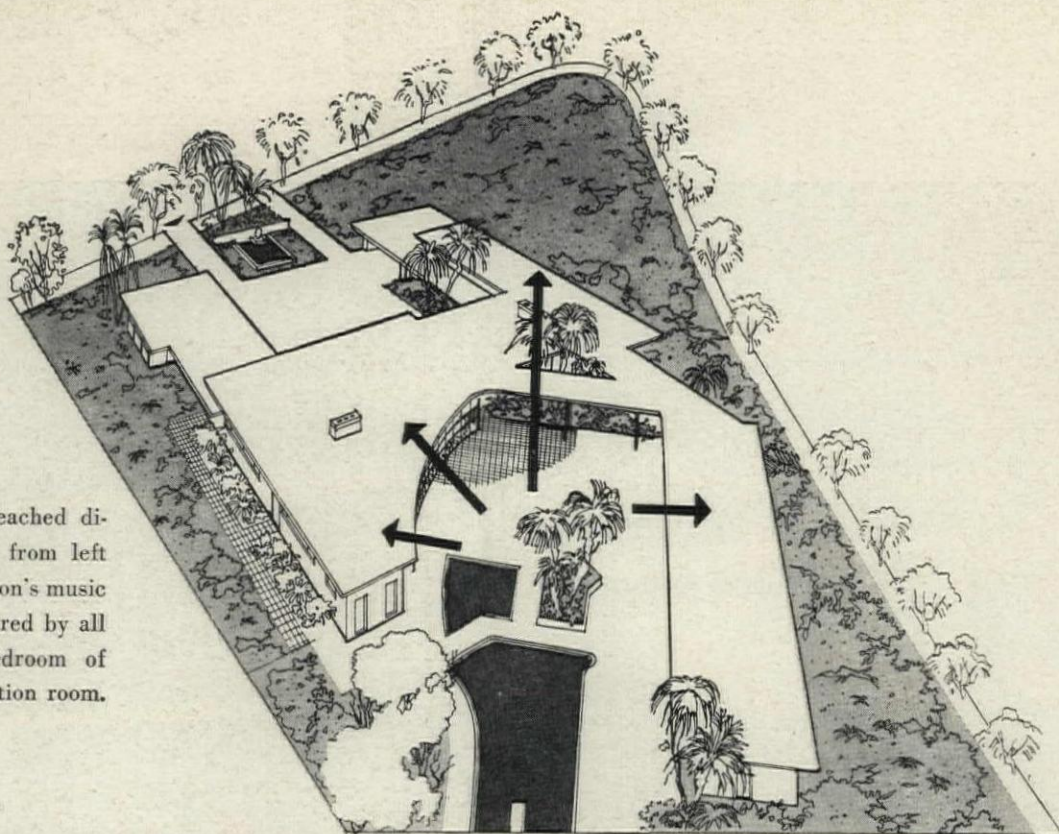
HOUSE NO. 31, *continued*

The irregular plan of the house makes it possible for the three members of the family to pursue their own interests separately



Grapevine screen on patio side of house protects lanai from hot western sun. Glimpses of a green plant pocket between it and house are inviting.

Four different areas can be reached directly from the patio. Reading from left to right, the arrows indicate the son's music room, the main living rooms shared by all the family, the studio and bedroom of the owner's wife, owner's projection room.



FRED LYON

The front entrance of the house at night, a study in chiaroscuro

Spotlights show up the two kinds of screen which protect court-level front rooms. At left, an eye-level solid wood screen with plants behind it shelters living room. At right, a fretted screen creates cool, filtered light in the dining room, a dramatic pattern at night.



To capture the superb view from this hillside site, the house cantilevers out like the lens of a gigantic camera

HOUSE NO. 32 A thrifty plan puts nature to work

The flat roof of this house uses rain for summer coolness, snow for winter insulation. Local stone provided material for walls and fireplace

A plan that makes an asset of local climate and terrain can save money on materials, maintenance, and temperature control. If you live in the North, take a tip from this 2,835-square-foot house in Hanover, New Hampshire. It actually capitalizes on the bitter climate and the rocky land. Its flat roof catches the heavy snows, which build up into an insulating layer; catches cooling rains in summer. Two levels created by the dropped living-dining room and kitchen fit the land snugly, saved the cost of excavation. Used in the living room to form the rugged fireplace wall, local stone also contributes texture and character to the exterior walls. Other practical ideas include an indoor plant bed alongside the glass-fronted living-dining room; and a combination playroom-laundry which adjoins the kitchen and can easily be supervised over the top of the counter-snack bar. *Building data, page 209.*



The house lies below the level of the road, looks out to a view of the New Hampshire countryside. Walls of native fieldstone give texture variations to exterior.

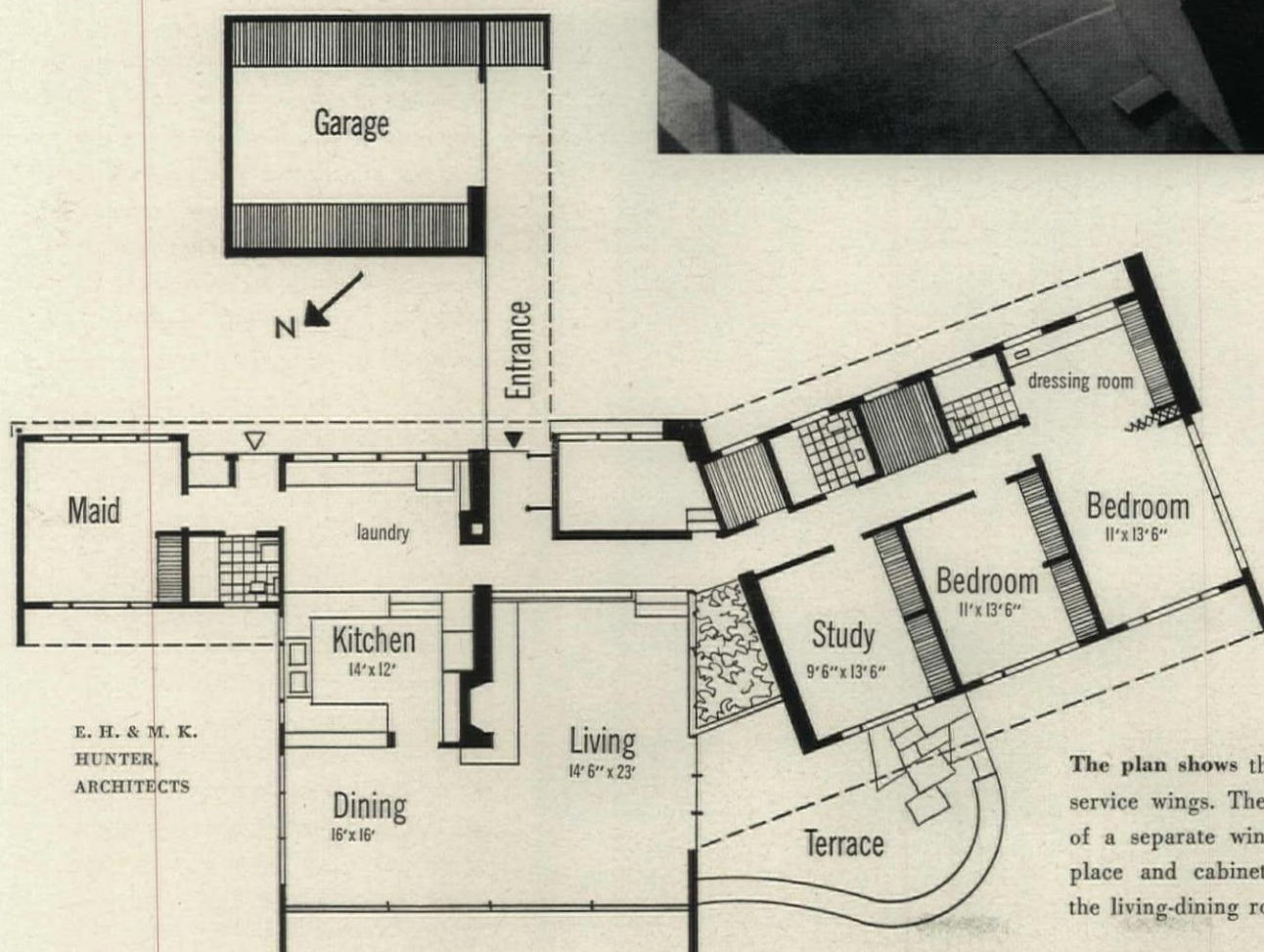


The laundry-playroom, left, is the point of vantage from which you are looking into the kitchen. Dividing the two is a low counter at which the children can eat and over which parents or nurse can keep an eye on them.

The living-dining room, right, has a clean, open look but is not bare, thanks to the varying textures of glass, wood, stone, fabrics, carpet, and plants. A fireplace wall divides living room from kitchen.



EZRA STOLLER



E. H. & M. K.
HUNTER,
ARCHITECTS

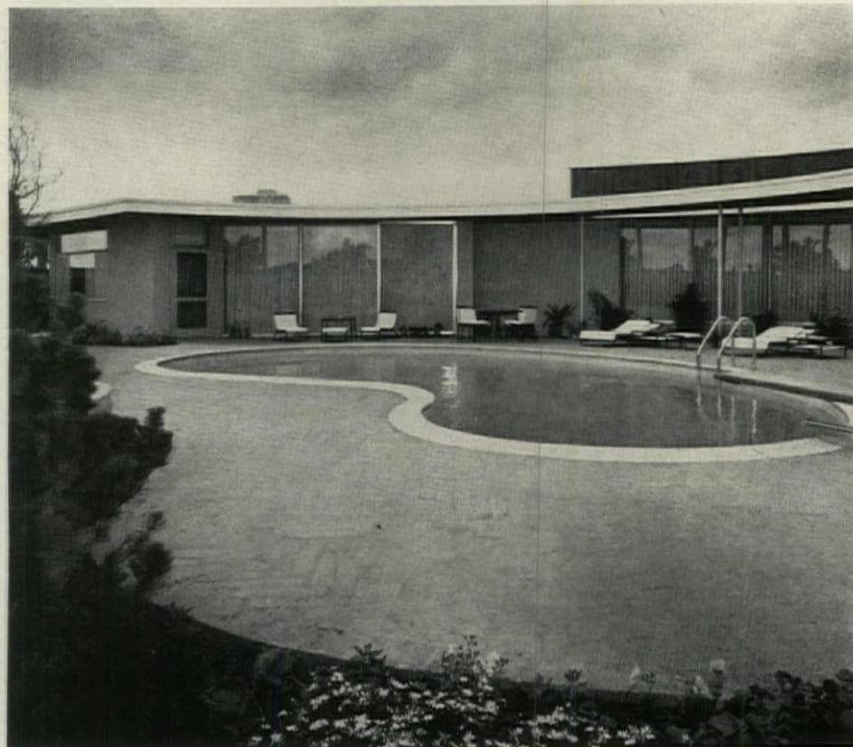
The plan shows the entrances to the living and service wings. The bedrooms enjoy the privacy of a separate wing set at an angle. The fireplace and cabinets create a division between the living-dining room and the compact kitchen.

HOUSE NO. 33

How to plan a comfortable house in a rigorous climate

On these pages we show a house which is proof against all the vagaries and extremes of the West Texas weather.

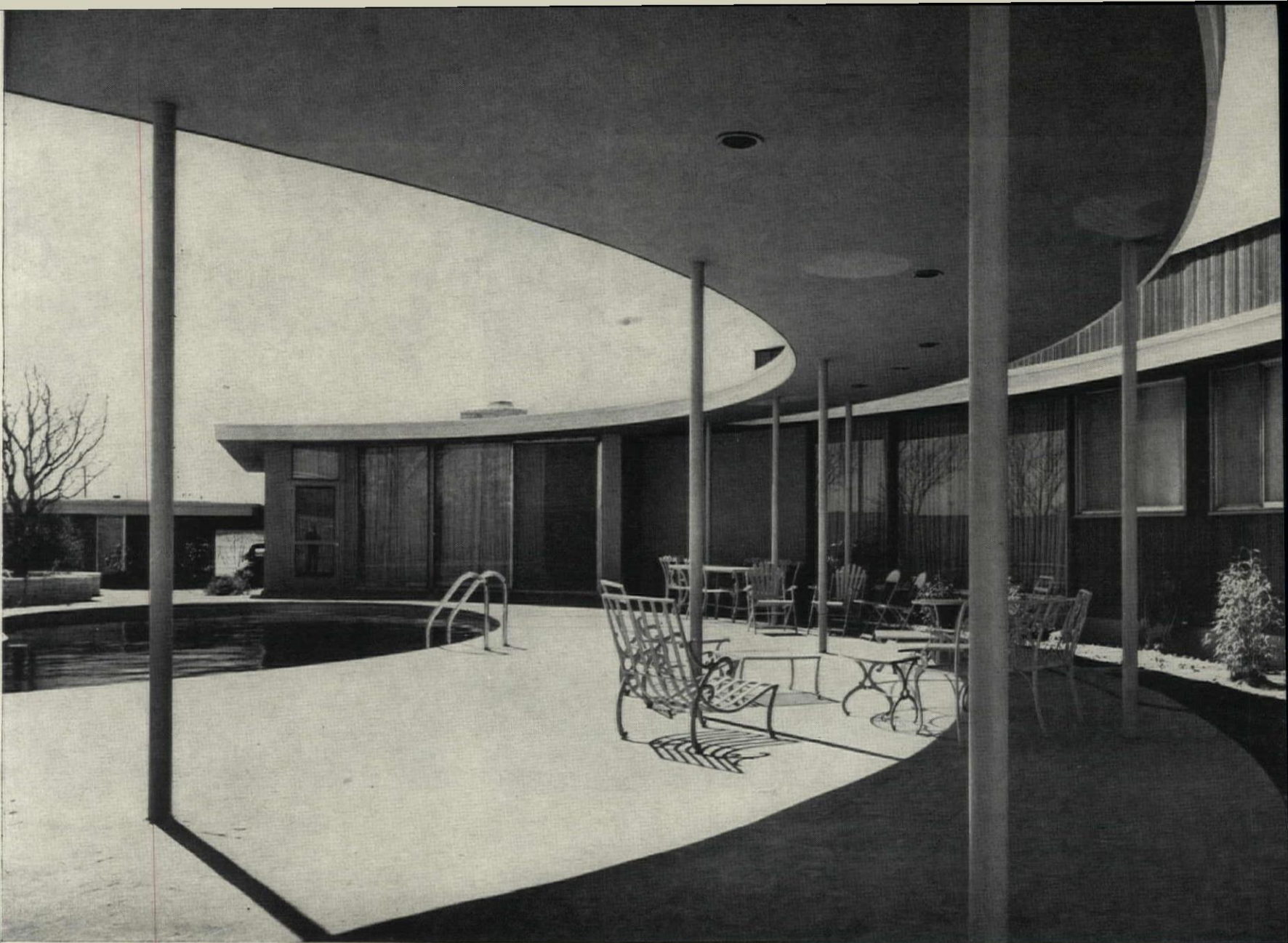
In Midland, Texas, where the dog days can last all summer and dust storms blow up in any season, a new kind of "self-centered" house is being created. The one shown here swings around a terrace and a pool, but the interiors are essentially introverted and completely air-conditioned. "When it's often too hot, too cold, or too gritty to go out of doors," the owners explain, "you want a lot of variety, restfulness, and space inside your house." Here the plan uses the house as a windbreak to dusty "northerners". The main rooms are strung along in a broad curve around the sheltered terrace. Wide windows focus outdoors, but when the curtains are drawn you can wander through the house and discover new delights at every turn. The rooms open onto each other, giving the house a sense of spaciousness. The owners' daughter has a bedroom of her own at the elbow of the house. Next to it is a study-bedroom for her guests. The master bedroom is at the end of the house with an adjoining bathroom and dressing area broken up into compartments. *Continued on page 164.*



Outside the house is a private oasis. Trees were imported from the more fertile parts of Texas and transplanted around the borders of the concrete terrace. When you enter the living rooms of the house, you can look straight through floor-to-ceiling glass walls to the unusual, free-form swimming pool and to the green planting beds beyond.

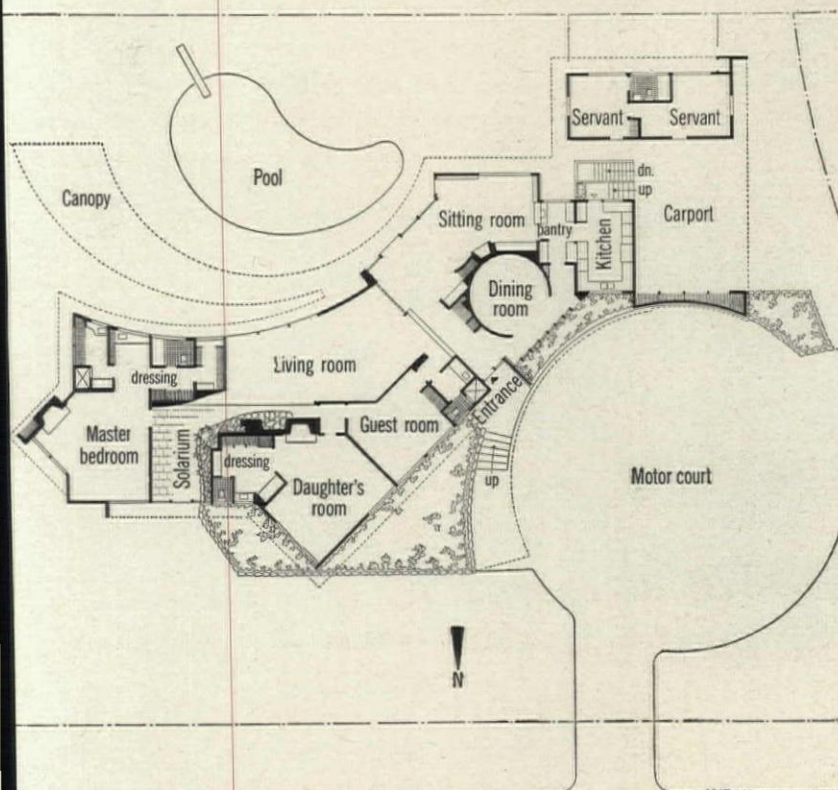


The large living room, where the family spends a lot of time, has its ceiling at two different levels. The wide-angled sofa is dressed up with glittering cushions, faces the window at one end and turns another section towards the fireplace. A latticework screen divides the living room from the adjoining sitting room. Used together, these two rooms make entertaining easy.



The back of the house is shaped in a wide semicircle to catch the breeze on hot days. The free-standing roof of the terrace swerves out from the house to follow the pleasing lines of the swimming pool and to provide the necessary shade. Recessed lights in terrace ceiling illuminate the area at night. Maintenance problems are kept at a minimum by the use of simple, sturdy materials.

BURTON A. SCHUTT, ARCHITECT

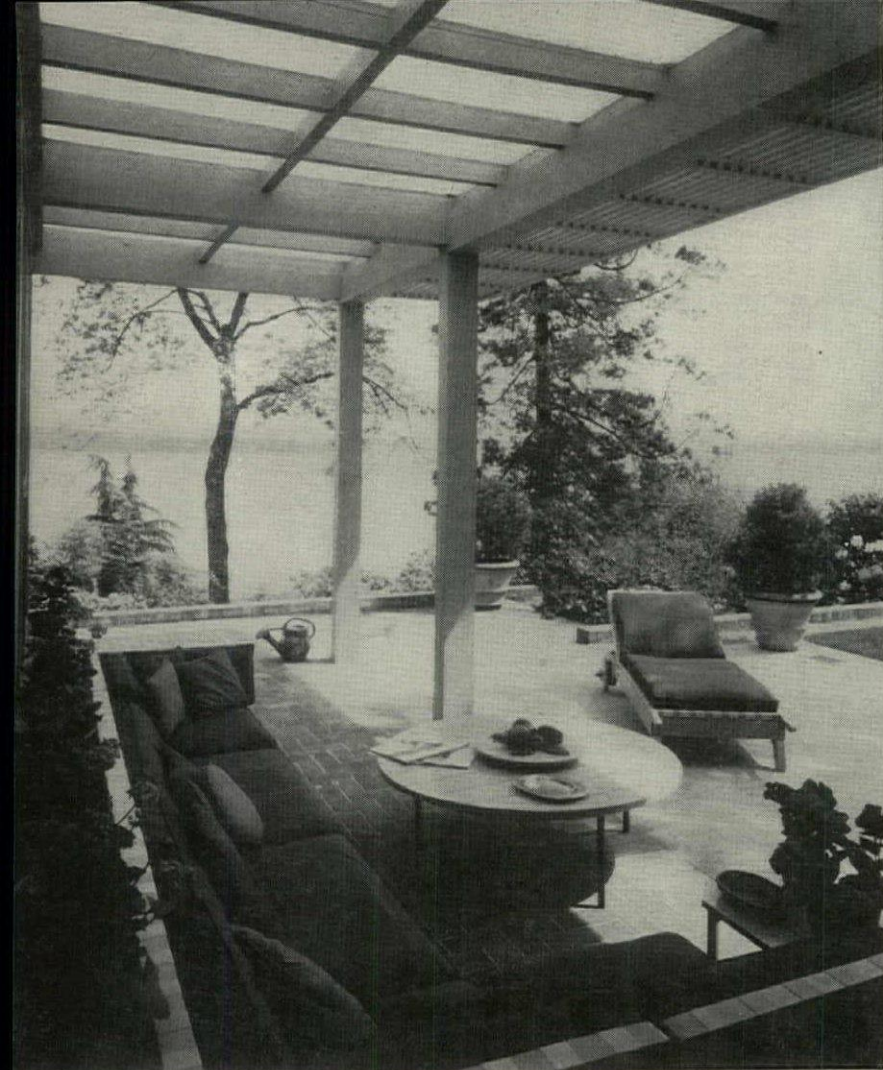


plan shows how to turn a house away from north winds and towards terrace

MEISEL, PHOTO ASSOC.



The front of the house is also semicircular. The concave wall at the right protects the entrance of the house from the north winds. Large round motor court provides plenty of parking space for guests.



SECTION B *Remodeled houses*

BEFORE, front



AFTER, front windows of this remodeled house are bricked in. Beige paint and sage green shingles on second story help to unify the house and grounds.

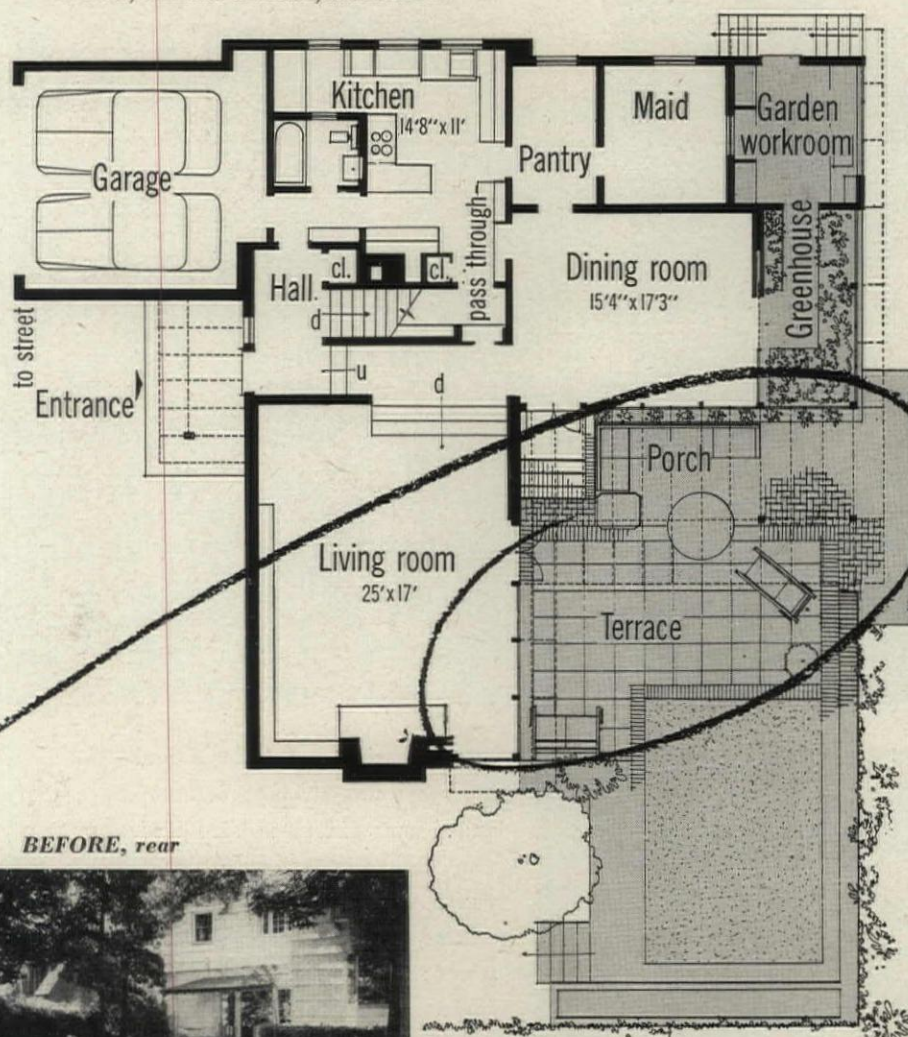


DEARBORN-MASSAR

TUCKER, SHIELDS & TERRY, ARCHITECTS

Remodeling provided country living on a city lot

HOUSE NO. 34



Without any major structural changes, this twenty-five-year-old house was given an entirely new character for modern living

As more and more Americans approach the age of retirement—nearly 14 million are 65 or older now, 20 million will be in 1975—they take stock and develop a new plan for living. Their children have grown up and have gone to live in homes of their own. They have more leisure and less responsibility. They can live where they please and as they please. They can plan a new house to suit themselves, and, as a result of trial, error, and experience, they tend to know exactly what they want. Usually it is a small house, enough land for a garden and private outdoor living, a warm climate (Florida, California, and the Pacific Northwest are the most popular), and proximity to their favorite sports and hobbies. The story of this house is similar, except that its owners remodeled their old house, and found their outdoor living right in their own backyard. The advantages of staying where they were, in Seattle, Washington, were many. They had a broad circle of friends. They were interested in community activities. Their property was high on a hill, overlooking beautiful Lake Washington. It was close to town, and within walking distance of the tennis club. But the house itself, well suited to their needs when it was built 25 years ago, did not provide fully for their present interests and activities. It had little feel of outdoors, no large terrace, no garden room, which was one thing the owners wanted to have. And, by comparison with their new, up-to-date ideas, the furnishings (Continued on the next page)

BEFORE, rear



New plan opens living, dining rooms to terrace. Greenhouse, workroom added.

Opposite

Outdoor-living terrace is where there once was an awning-covered sitting spot akin to an old "back stoop" (small picture above). It is partly paved with pink brick, partly shaded by flowering madrona tree and by corrugated plastic roof which extends from the dining side (opposite, upper left). New greenhouse (opposite, upper right) has an adjoining garden workroom and is used to grow begonias, calceolarias, and, in big terra cotta jar, succulents.

HOUSE NO. 34, *continued*

BEFORE



AFTER



DEARBORN-MASSAR



For a spacious, uncluttered look, living room was stripped of old plaster and beams, fireplace simplified, two small front windows walled in, and opposite wall opened to terrace. Color scheme is keyed 150-year-old Japanese screen: buckskin walls, white rug from India, sofa in copper Peruvian linen, walnut side chairs. Accessories include T'ang horse and Japanese lamp.

To take advantage of hilltop site, rear wall of living room is glass, with door opening to terrace. View gives feeling of large country estate; actually it is an 80' x 150' lot, and down the hill, between house and lake, is a city street.



Four-section dining table can be used in any of three ways; above, an L-shape set up for buffet.



Same tables, separated, set up for cards. Japanese screen is 17th century; buffet, walnut.



For luncheon or dinner, four tables form a big square, seat eight comfortably. Draw curtains are rust-colored linen; antique Italian Directoire chairs have gold and white cushions. Greenhouse (upper left) seems part of dining room.

(Continued from the previous page) looked slightly dull and dowdy. What happened after long planning with their architects was a complete transformation, without any major structural changes at all, and without offending the traditional-minded neighborhood. In the front, the house looks snug and cozy; the two small living-room windows were walled in for privacy from the street, and the front door given a new side light and the protection of a covered entrance. In back, the walls were opened up for modern indoor-outdoor living: the living- and dining-room windows were replaced by floor-to-ceiling window walls overlooking lake and terrace; a garden workroom and greenhouse were added on. (The greenhouse seems part of the dining room, is separated from it only by a sliding glass wall.) The interior walls were stripped of old plaster, the fireplace simplified, a built-in book case was turned into a handy bar, an old-fashioned wooden railing between gallery and living room removed. Such minor changes add up to a handsome background for specially-designed modern furniture and many interesting pieces which the owners have brought back from their travels. Outside, the big, new terrace is paved with terrazzo, easily waxed for dancing, and partly sheltered by a corrugated plastic roof. At the north end of the lot, carefully landscaped for privacy from the adjoining houses, is a new garden where the owners raise their own vegetables. The over-all plan is exactly what they wanted. The house is easy to maintain. It is comfortable for two; open and expansive for the various kinds of parties they like to give. It has plenty of land for their needs, a magnificent view of the lake, and almost year-round outdoor living. And lastly, the owners are close to their friends and neighbors. Continued on page 165; building data, page 209.



Garden workroom, for cutting and arranging flowers, adjoins greenhouse. Sink is set in wide countertop, storage below.



New bar replaces old bookcase on gallery between living and dining rooms. Handy for drinks in either room, it hides behind white oak paneling when closed. On shelf, Staffordshire ceramic wine-barrels.

HOUSE NO. 35 A Cape Cod cottage gains more living space

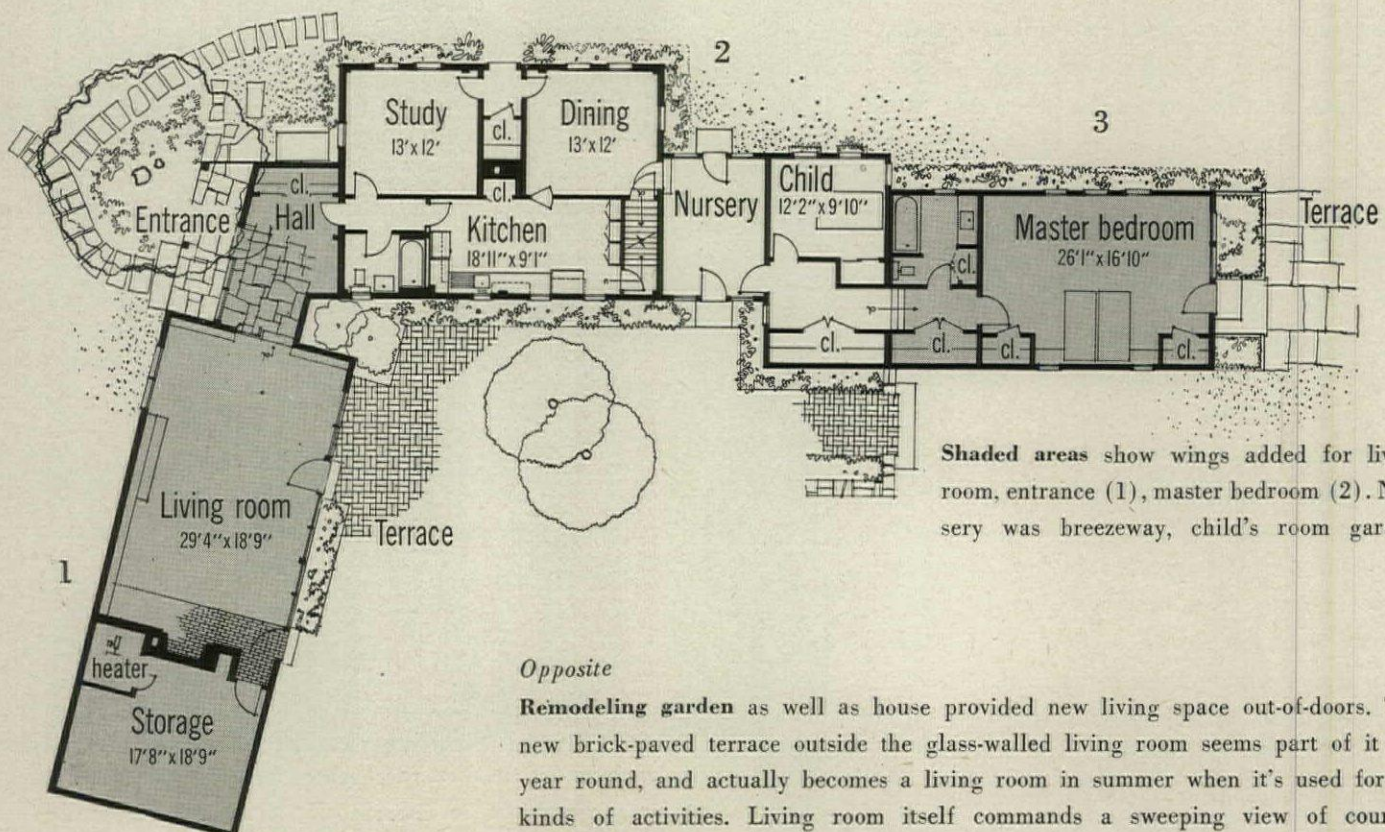
The original part of this remodeled house in Groton, Massachusetts, was not without cozy charm. But when more than two people remained for any length of time in one of its small rooms (living room, now a study, was barely 12 x 13 feet), coziness was apt to seem far from desirable. When their child arrived, the owners of the cottage realized that additions to the original structure were essential. The end result was two new wings. The living-room wing is set at an angle to the northeast end of the house and connected by a wedge-shaped entrance hall. The living room itself occupies roughly two-thirds of the wing, but it provides more space than the old living room, dining room, and entrance hall combined. At the other end of the house, a new bedroom and bath were added to the old garage, and the garage itself was converted into a bedroom for the child. Although both wings are basically modern, they have pitched roofs, red clapboard walls, and white trim so that they are in harmony with the original house. *Continued on page 166; building data, page 209.*

By adding two new wings this 1710 house gained comfort and convenience without sacrificing charm

A new outdoor living terrace adds an extra summertime room



New living room (1) sits at an angle to original cottage (2). New master bedroom wing (3) was added at other end. Wings enclose terraced lawn and new brick terrace. Stone retaining walls, grass steps link terraces with the field below.



Shaded areas show wings added for living room, entrance (1), master bedroom (2). Nursery was breezeway, child's room garage.

Opposite

Remodeling garden as well as house provided new living space out-of-doors. The new brick-paved terrace outside the glass-walled living room seems part of it the year round, and actually becomes a living room in summer when it's used for all kinds of activities. Living room itself commands a sweeping view of country fields, opens on terrace with two glass doors. The master bedroom (right) opens onto its own flagstone terrace. The end wall of the bedroom wing, with modern windows and traditional pitched roof, shows happy fusion of old and new elements.



MARTIN HELPER





Front of house shows the balcony typical of Monterey architecture. Large living and dining room windows flank entrance

HOUSE NO. 36

How to remodel a house for a growing family

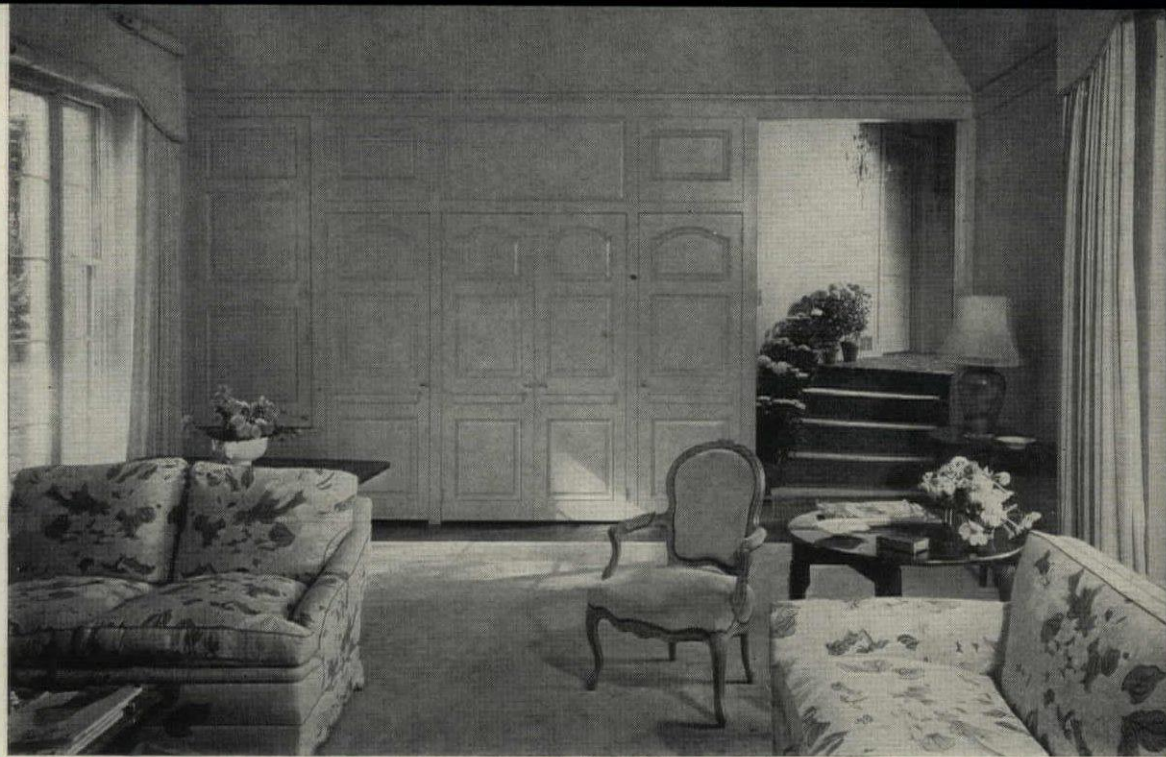
Adding two new wings solved space problems in this 10-year-old house. Skillfully merged with the original house, they add new convenience

One new wing includes a second living room on the ground floor, guest room and storage space above. A new breakfast room forms the other wing

Many a remodeling project has been started to provide adequate space for growing children whose activities range from playing the piano to roasting frankfurters in the fireplace. The owners of this Gladwyne, Pennsylvania, house faced the problem of stretching the walls of their home somehow or building a new one. A remodeling plan to add new living areas and make better use of existing space was discussed with the architect. What resulted (see shaded areas of plan) was the construction of a two-story wing, set at a tangent to the existing Monterey-style house, to provide a new living room on the first floor and a guest suite above; addition of a small octagonal breakfast room to the kitchen; extending the terrace to run the full length of the house; and a swimming pool. Two living rooms mean that the owners can entertain in the new room (quickly dubbed the "country room" because of its floor-to-ceiling windows which frame the wooded view) while children use the old living room. *Continued on page 196; building data, page 209.*

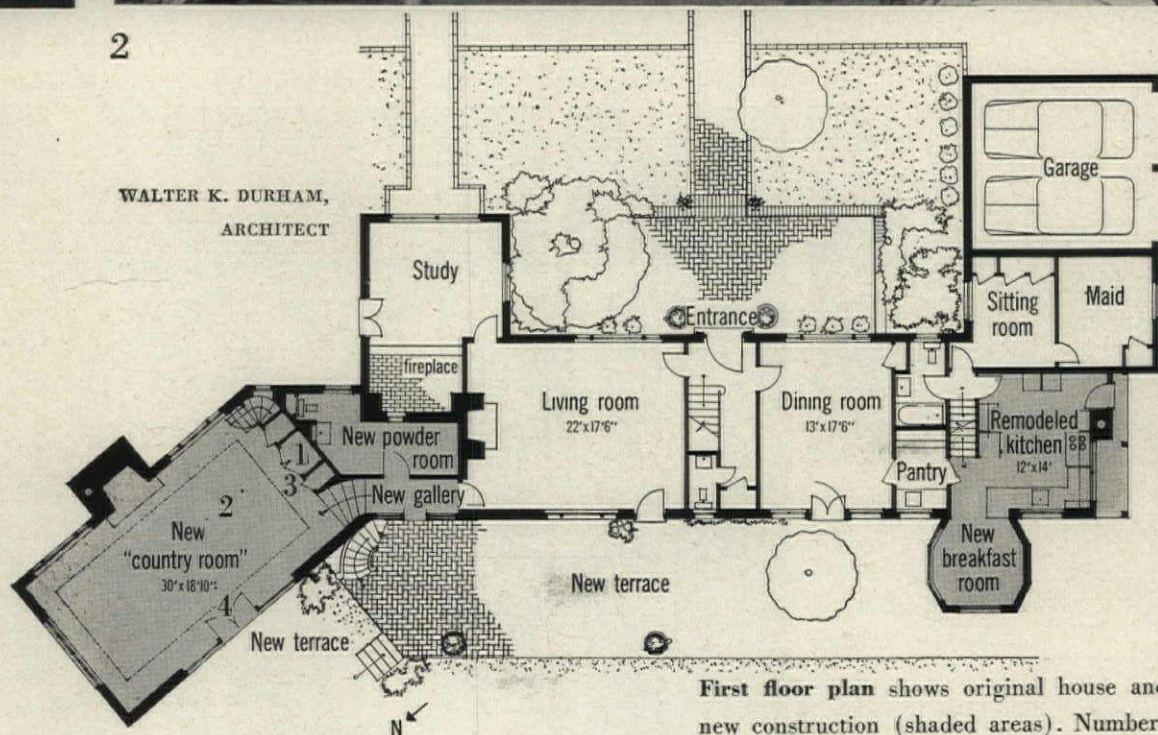


1



2

Built-in bar in new living room (1) saves trips to kitchen at cocktail hour. Paneled doors conceal sink, cork-insulated hamper (3) which holds a cake of ice for drinks, and liquor cabinet. Door at left leads up private stair to guest bedroom. When the doors are closed (2), the working wall appears as a paneled end of the living room. Five steps up at the right is a brick gallery connecting the new wing with the old part of house.

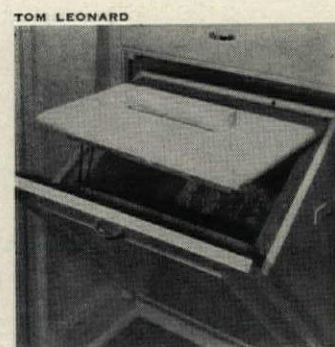


First floor plan shows original house and new construction (shaded areas). Numbers correspond to the photographs on this page.



4

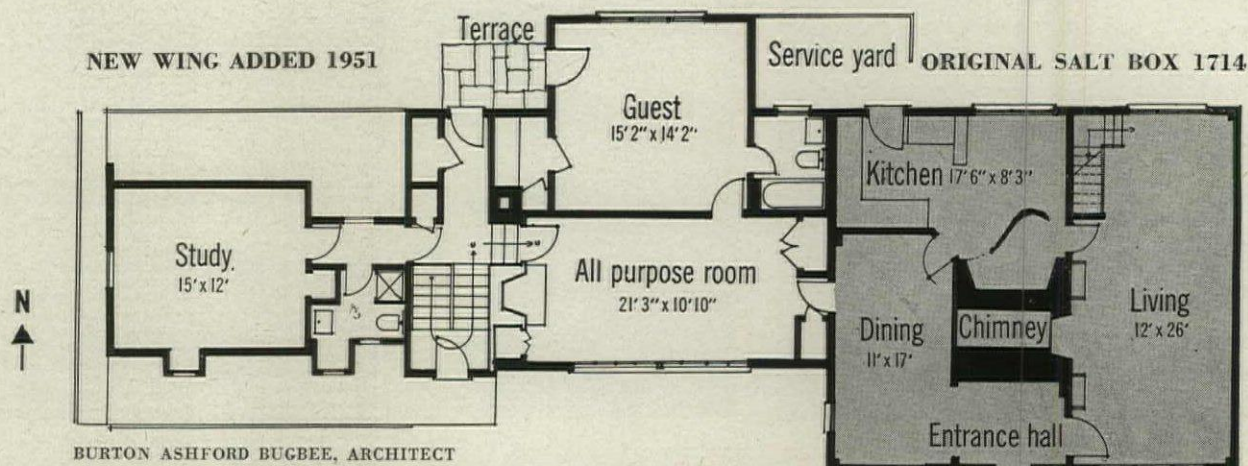
French doors link new living room with terrace running the length of the house. On three sides, fixed windows frame a woodland tract. Outside stairway, at left, gives guests direct access to the swimming pool.



3

A cake of ice lasts a long time in this specially-designed hamper. Situated right next to the liquor cabinet, it folds into wall, is concealed by paneling.

1714 salt box remodeled for 1953 comfort



New addition is casual, rambling, and harmonizes with exterior of old house



Core of old house remains largely unchanged, sets character for newly enlarged house.

Stepped-down roof and floor levels follow natural slope of land, keep new addition from overpowering original small house.

Painted barn red, the total effect is warm and welcoming seen through summer's lush green foliage or winter's snow-covered branches.



Here is a friendly old Connecticut salt box to which a new wing has been added for parties and week-end guests

Ask any architect, and he will tell you that the clients with a sure knowledge of how they want to live always end up getting the best houses. The owners of this house are an outstanding example. They both liked old things, and they collected antiques. Consequently it was not surprising that they promptly fell in love with this small and cozy 1714 salt box the minute they saw it. But they also wanted a house where entertaining would be easy and where week-end guests would feel free and comfortable. So, with their architect they set about planning the modernization and expansion of the old four-bedroom house. To make week-end guests feel a measure

of independence, they added a bedroom and bath, and an adjoining all-purpose room complete with fireplace, bar, sink, refrigerator, and electric hot plate. "This makes it easy for us to fix drinks and snacks for small groups. And our overnight guests can make their own morning coffee, and drink it on their own secluded terrace if they like," say the owners. The furnishings are a natural blending of old and new. Quite logically, in the old part of the house, with its mellowed wood beams and center chimney of native stone, are the owners' heirloom mahogany and pine pieces, carefully chosen reproductions, and antique accessories. The original big,

old-fashioned kitchen has been divided into a breakfast room, furnished in old pine at one end and with a line-up of modern equipment at the other. The end result of this is the kind of living-kitchen where you can cook and talk with guests at the same time. By contrast, the new all-purpose room has simple modern furniture upholstered in rugged textured fabrics, built-in cabinets to house phonograph and records, and a closet for card-table storage. There is no sham about this house. Part of it is frankly old, part of it is frankly new, and all the extra living space, plus an attached garage with study and bath above it, was achieved without altering the original character of the building. (For example, there were no major structural changes except for the removal of a small, useless, unheated porch.) It shows that you can preserve the charm and warmth of an old house and can also provide for easy modern living. *Continued on page 167; building data, page 209.*

TOM LEONARD



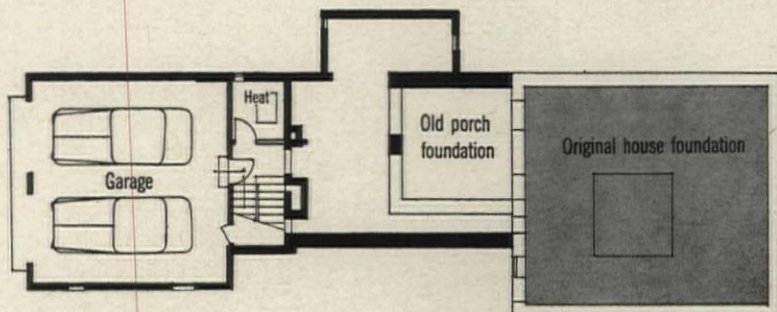
Dining room, above, makes an ideal background for the owners' collection of old china and glass. Wallpaper has pineapple design on chocolate brown ground, sets off honey-toned Provincial furniture and sage-green curtains. New bar closet, right, is a handy part of all-purpose room.



New all-purpose room, below, was planned for informal living. Walls are striated plywood rubbed with white, fabrics are textured, colors chartreuse and black. Lighted niche above fireplace displays the owners' collection of rare old mechanical penny banks.



Original salt box is small, square, compact



Lower-floor plan shows how new garage, auxiliary heating room, and new center section join original salt box. Old porch (center, right) was demolished, replaced by new year-round rooms.

SECTION C *Vacation houses*

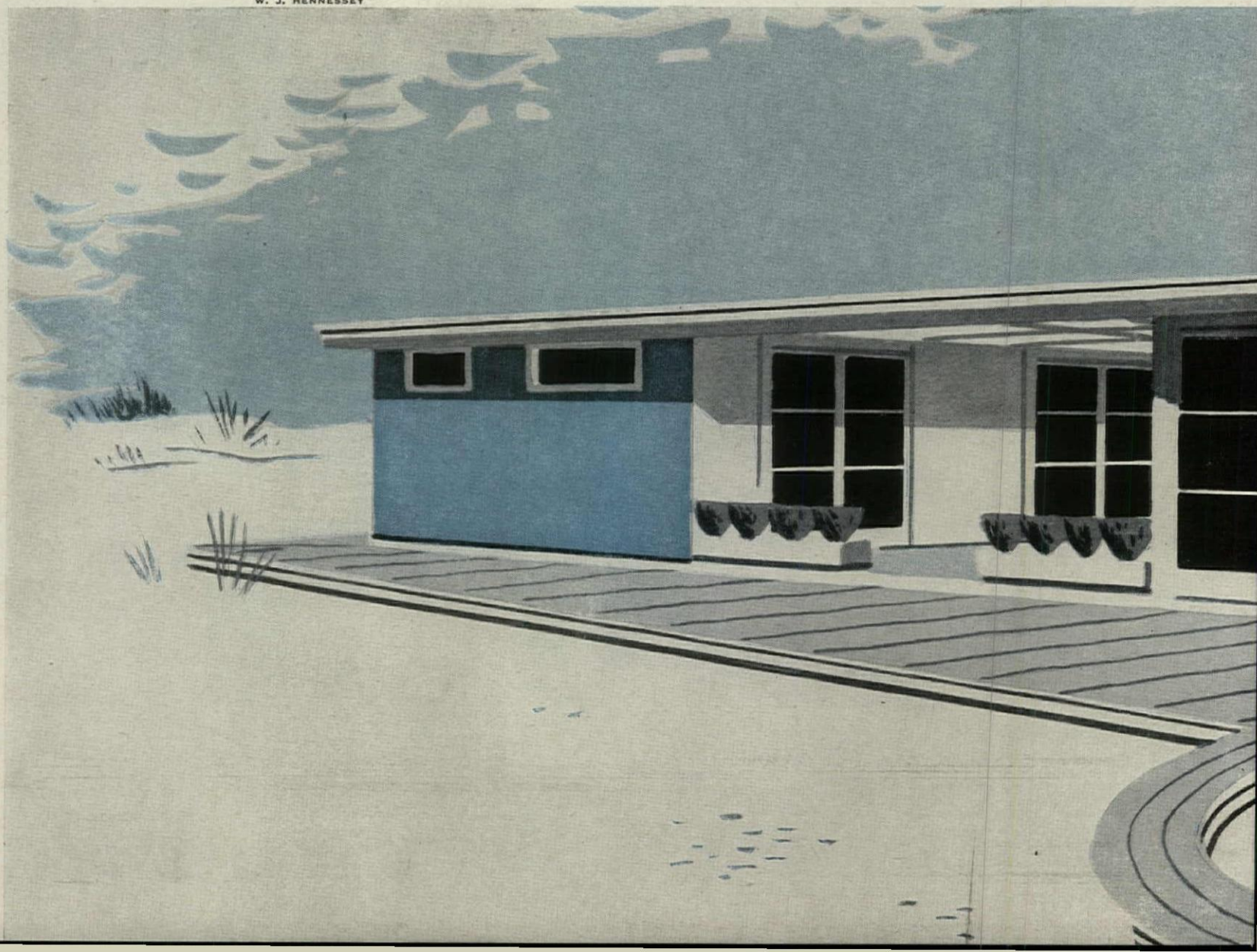
HOUSE NO. 38 Beach house with a plan for privacy

The sliding glass doors on two sides of the lanai are protected by roof overhangs, can be left open during rain

Swimmers can re-enter the house via bathrooms and showers without tracking sand through the rest of the house

Seaworthy planning in this 1,200-square-foot beach house fits it for fun and recreation. It centers around a lanai-terrace which is partly roofed, partly covered by an egg-crate trellis. On one side of the terrace are the living-dining area and the kitchen, on the other side are the bedrooms. The center lanai can separate the two wings for privacy, or it can unite them for a house-wide party. Sliding glass walls along both sides of the lanai open both wings to this outdoor room. The bedroom wing also gives direct access to the beach, and swimmers returning to the house can step right into their bathroom showers without tracking sand across the living area. Two of the bedrooms can be combined into one large room by pushing back the accordion folding wall between them. A fourth bedroom, separated from the lanai, is for a maid or a guest who likes seclusion. The living and dining areas are partly divided by a chimney and two-way fireplace. Sun terrace extends the living room, outdoor barbecue uses fireplace chimney.

W. J. HENNESSEY

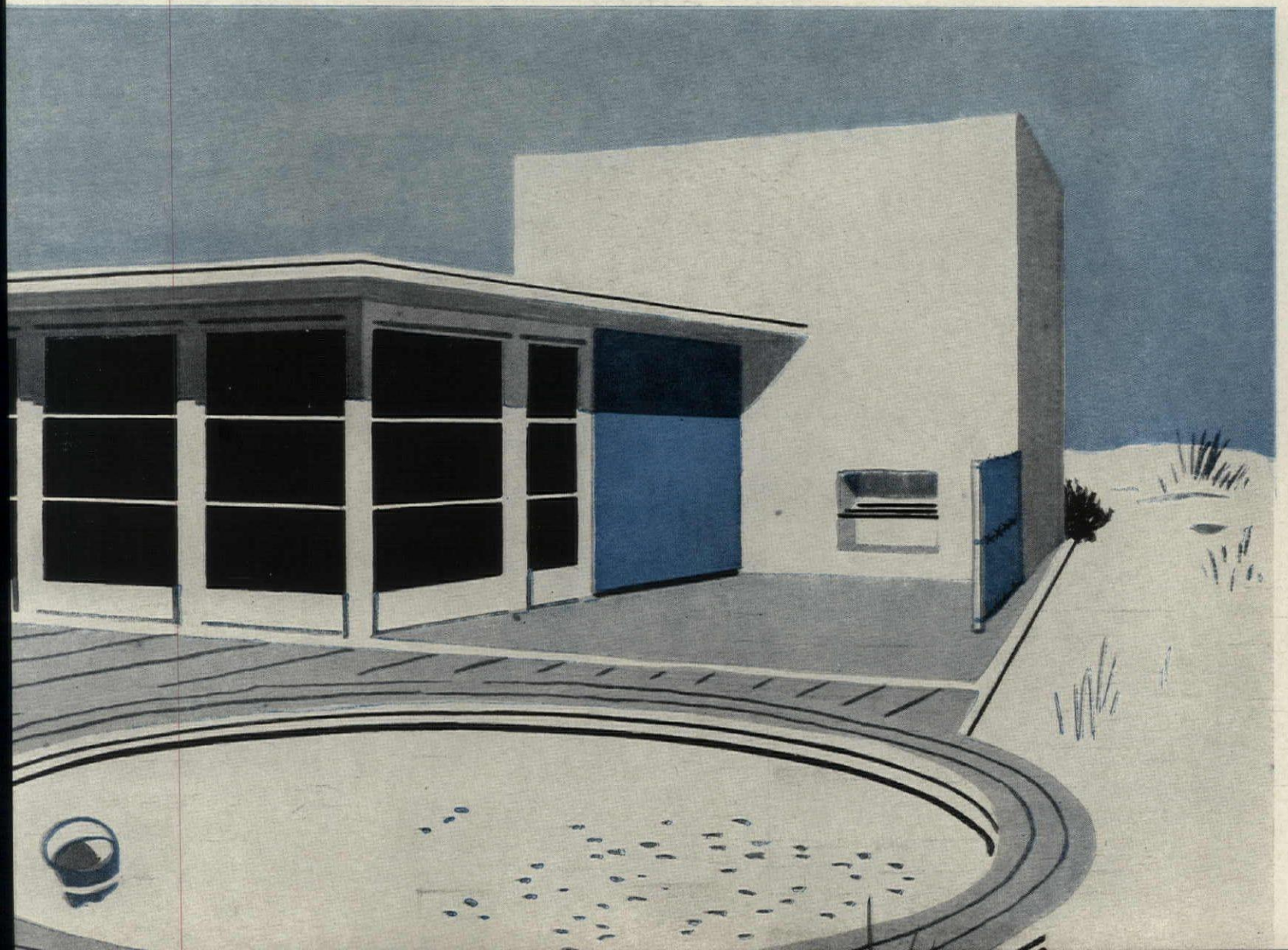
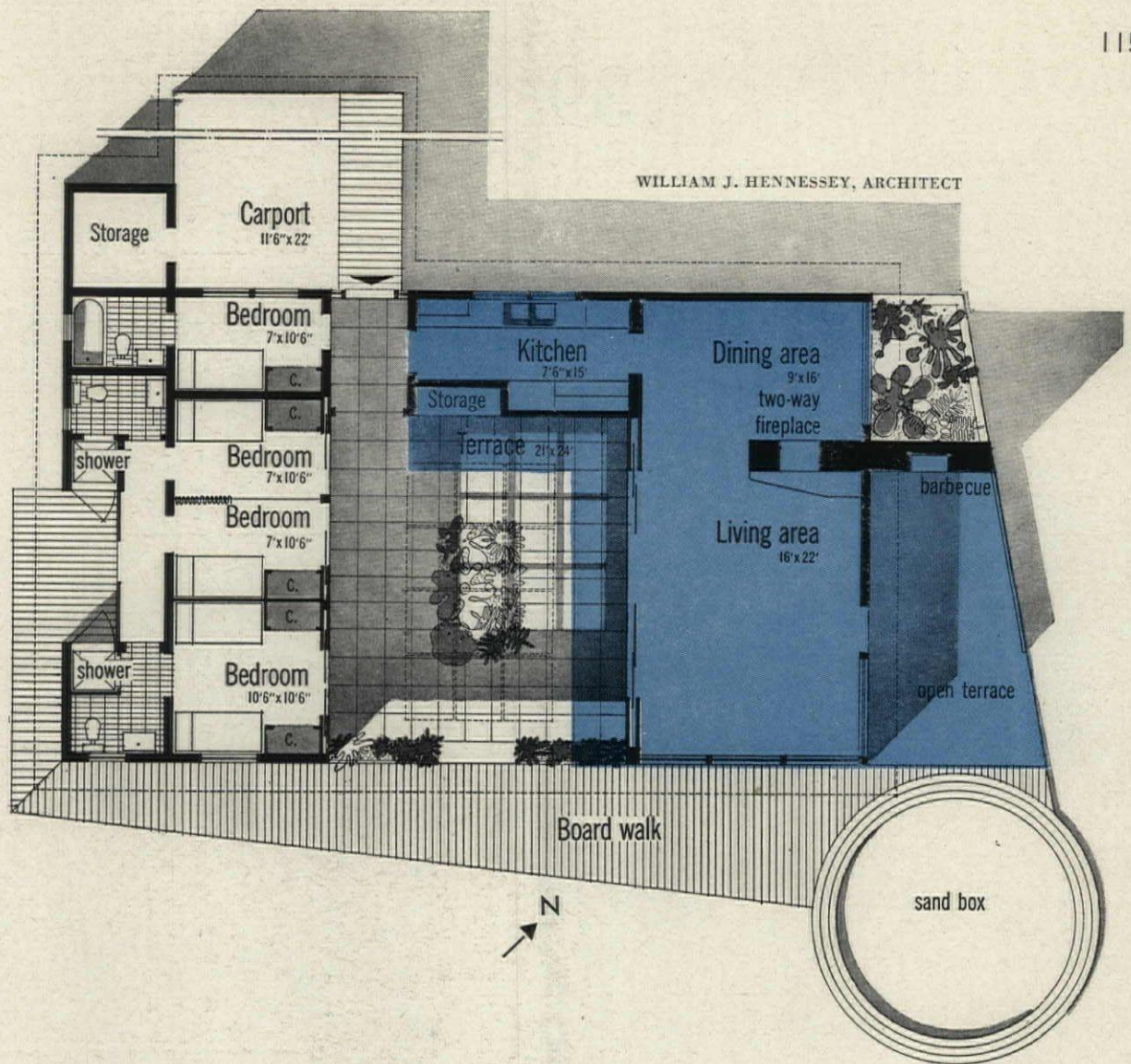


WILLIAM J. HENNESSEY, ARCHITECT

This house could quite easily be built in two separate stages. The colored area on the plan comprises the original structure. The bedroom wing and the other areas shown in white could easily be added later on.

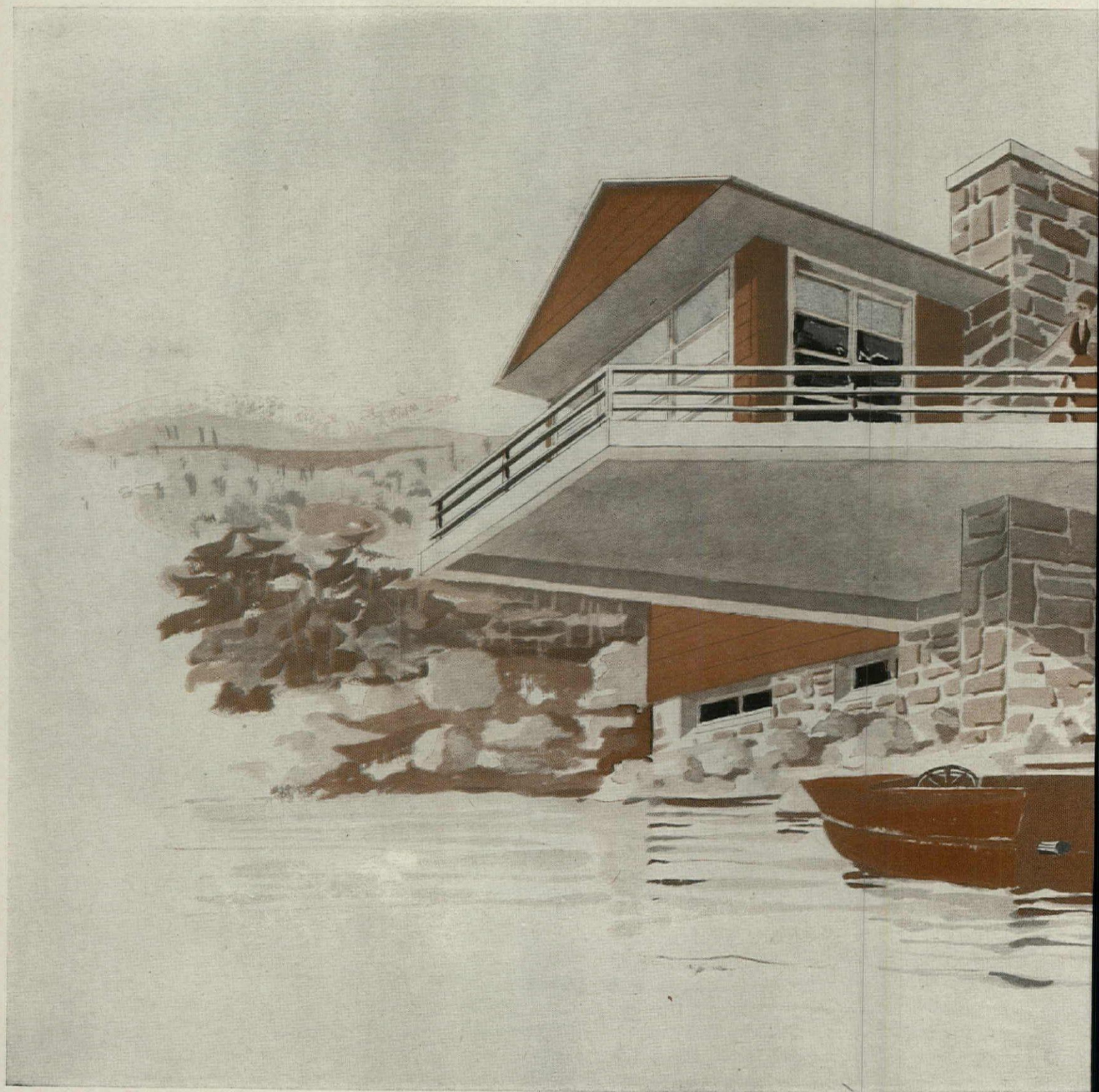
Below

The boardwalk continues from the bedroom wing across the front of the house to the sand box and sun terrace. The sand box provides a safe place for children to play in or for family and guests to sun bathe. Glass living room walls face towards the ocean.



HOUSE NO. 39

Like the flying bridge of a ship, this house
extends right out over a lake



This small-scaled holiday house provides space and comfort generously and is expertly planned for carefree summer living

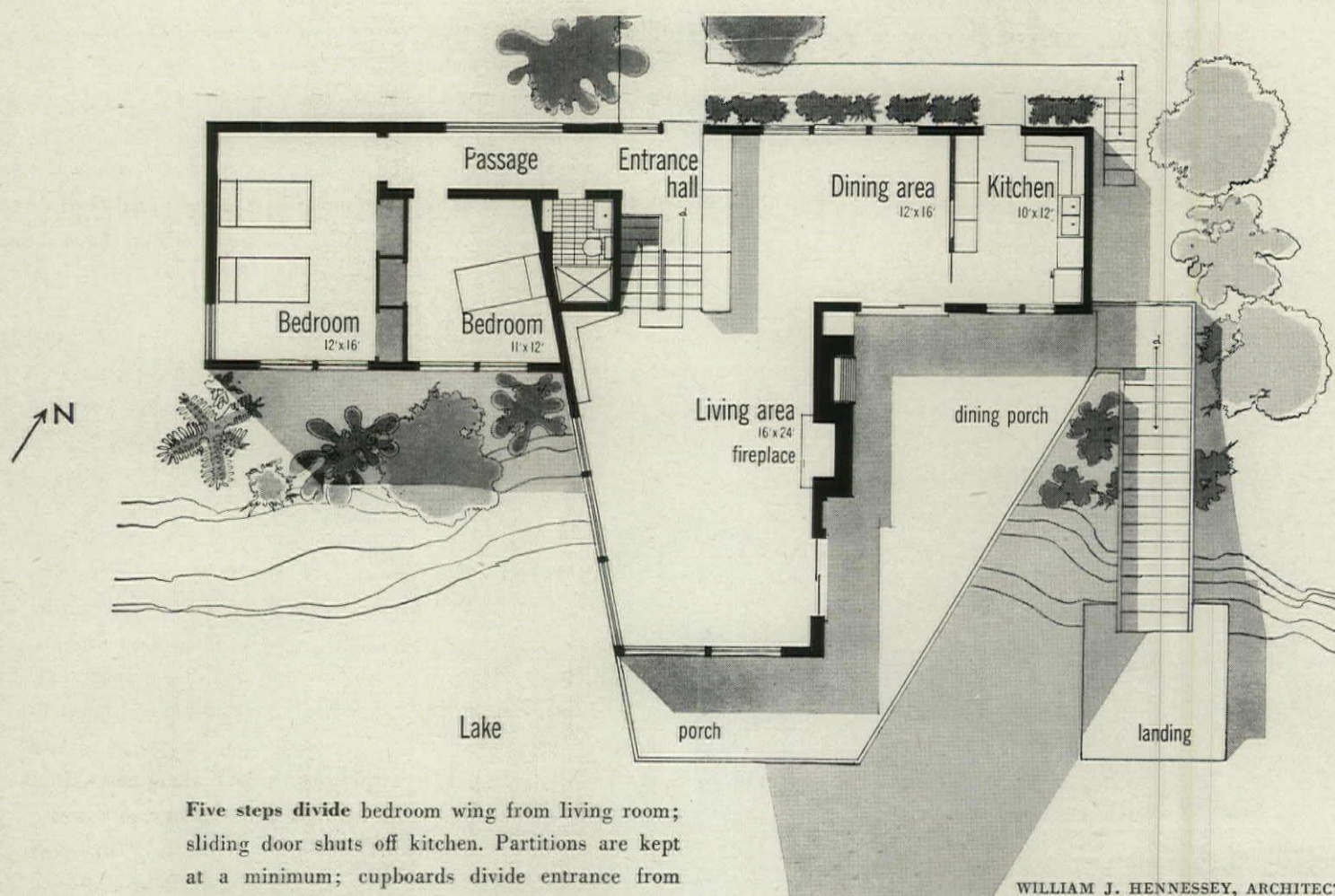
This 1,020-square-foot house juts out over a lake to take full advantage of the view, the breeze, and the water. It is anchored to a rocky hillside, and both the living room and the open deck are cantilevered above the water. The T-shaped plan (see next page) and the floor-to-ceiling windows give all the main rooms sweeping views of the lake. In fact, the suspended living room overlooks it from three sides. The deck, joined to the indoors by sliding glass doors, doubles the living and dining space and includes an outdoor barbecue. Exterior finish is redwood siding with weatherproof stain; trim is white, foundations and chimney are stone.

Continued on the next page

MARVIN CULBRETH

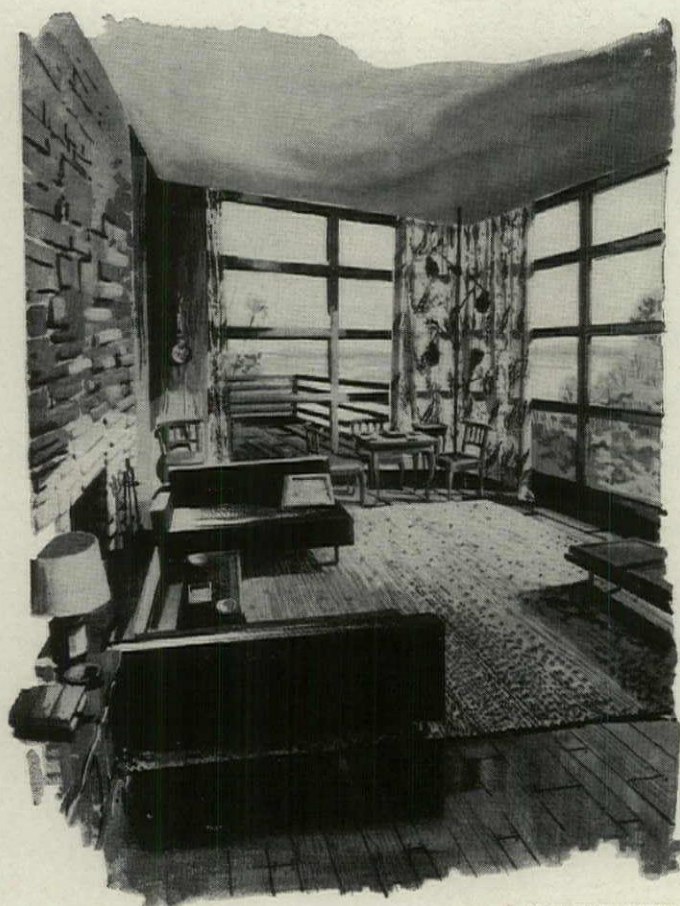


T-shaped plan provides maximum view of the lake from all sides



Five steps divide bedroom wing from living room; sliding door shuts off kitchen. Partitions are kept at a minimum; cupboards divide entrance from the dining area, storage wall separates the bedrooms.

WILLIAM J. HENNESSEY, ARCHITECT



MARVIN CULBRETH

The living arrangements in this lakeside house are flexible. Both the bedrooms and the bathroom are secluded because they are on a higher level than the other rooms. This sleeping wing can be shut off entirely from the rest of the house by means of a sliding door. The entrance, the living-dining room, the kitchen, and the outdoor deck are planned to function together as one expansive, adaptable living area where you can lounge and lunch, entertain or enjoy complete relaxation. All of these rooms open onto each other and also to the outdoors. The kitchen is partially screened off by a lightweight wall and can be entirely screened off for privacy by simply closing the sliding door. In addition, there is a pass-through for easy serving. The dining area is shielded from the entrance hall by a floor-to-ceiling cupboard storage wall which houses china, glass, silver, and table linen. There are steps which lead down from the living room to a lower level. The slope of the hill provides space under both wings for future dressing rooms for bathers, storage, or bedrooms for a growing family or for guests.

Living room furniture groups naturally around fieldstone fireplace. This room and the porch beyond it jut out over the lake. Floor-to-ceiling window walls on two sides of room provide superb view, get maximum light and air.

HOUSE NO. 40

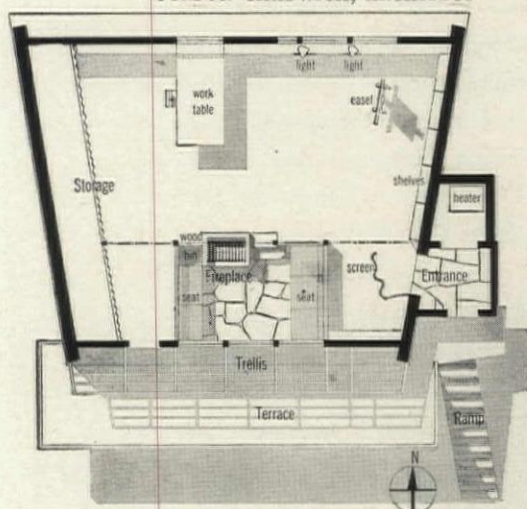
A hillside studio with sliding panels to control light

Designed as a studio, adaptable as a ski hut, this mountainside retreat faces the view on one side, gets the desirable north light on the other

Seats in flagstone area around fireplace get maximum view because they are recessed two feet below general floor level

One wall is devoted to curtained storage shelves; open shelves on opposite wall hold paintings

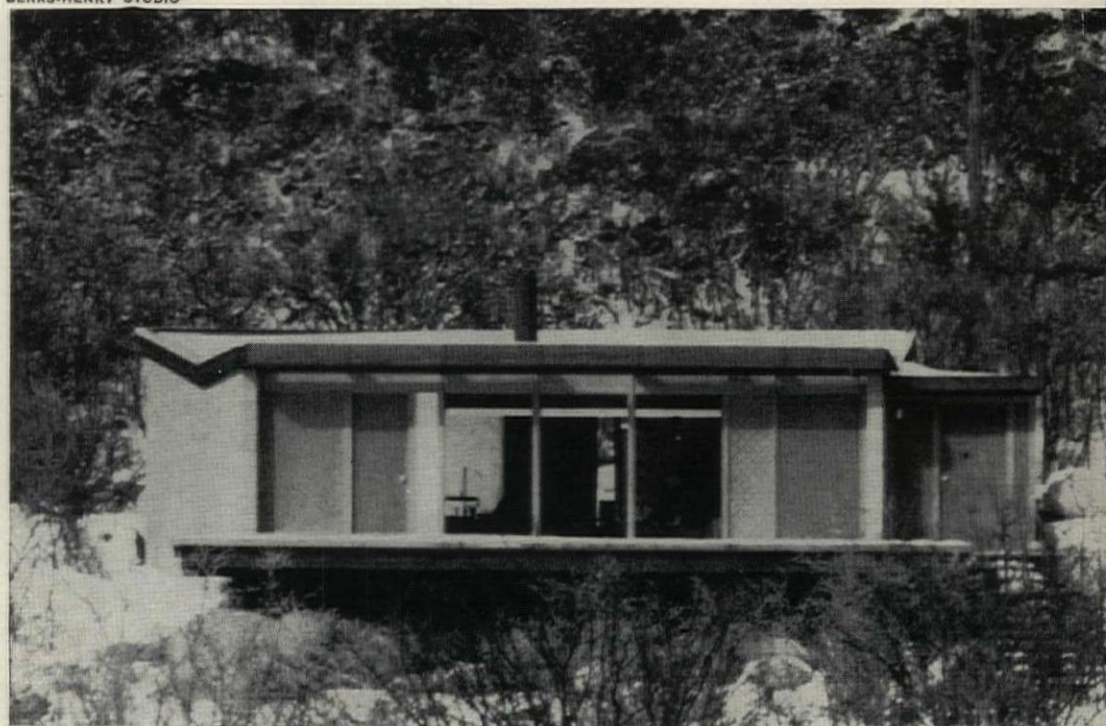
GORDON CHADWICK, ARCHITECT



The plan shows the "working" area in the northeast corner of the building. To get the northern light, the easel and the work table are placed parallel to the east wall. The storage shelves which run across the entire west wall are hidden behind curtains. The shelves of the east wall are open, hold new paintings. The center fireplace radiates heat in all directions. The "relaxation" area is sunk two feet below the floor, has built-in couches on two sides, flagstone floor.

This little mountain house represents one of the most widespread American dreams—"getting-away-from-it-all" to a place where you can have complete serenity and repose. It was designed by the owner, an outstanding painter and designer, who wanted a studio near his house for convenience, yet far enough away to guarantee solitude. His retreat is at the end of a short winding drive up Red Mountain from Aspen, Colorado, where he (an expert skier) and his wife live. The studio is placed so that it can enjoy an inspiring view of the meadows and the mountain slopes. Planned primarily for work, it is kept clear of clutter thanks to excellent storage facilities. The ceiling slants up and the walls flare out to get the maximum north light. Paintings, instead of being hung on walls, stand on a shelf along one wall or hang suspended from the ceiling in order to create breaks between the "working" area and the "relaxing" area next to the central fireplace. The variation in the floor levels and in the flooring materials (oak and red sandstone) demarcates the two different areas. *Continued on page 168*

BERKS-HENRY STUDIO



Perched halfway up Red Mountain, the studio is well protected, has a view across the valley to the ski slopes beyond. Interior light is regulated by movable, hanging panels of translucent plastic colored red, blue, and buff on the outside.

SECTION D *Building, equipment, maintenance*

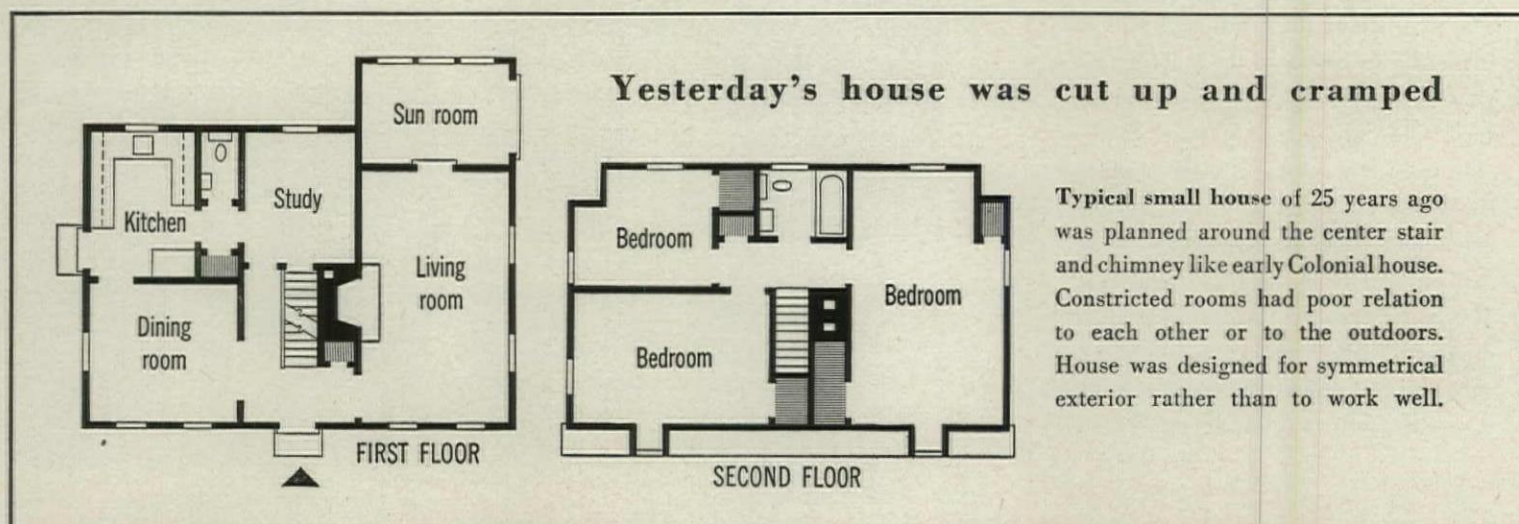
Because we live differently today, our houses are changing in many ways

Today's house differs radically from yesterday's in plan and appearance. So do the building products that go into it. Our new way of life has brought new demands on our houses. The difference is also due to improvements in heating, insulation, structural materials, and mechanical equipment (to name a few examples), which have created a house more enjoyable to live in and easier to care for. The building articles which begin here will help you to plan, build, remodel a house, or keep it up-to-date.

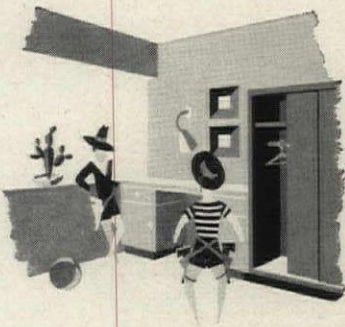
You have only to hop in your car and drive around any suburb to see that something has happened to houses. The new ones don't face the street the way the older ones did. Sometimes you cannot see the front entrance at all, only the garage. Or there may be a parking space for cars at the front door in place of a lawn. If you examine the far side of the house, you will probably find a window wall overlooking a garden terrace. The back often has a more impressive façade than the front. And the chances are that the house will be only one story high and that it will ramble all over the lot. Are these changes merely a

passing fad or are they a basic new approach to house planning? Comparing the plans on these pages is the best answer. Below is a house built 25 years ago. It was designed to present an impressive front to the street, and had the usual symmetrical, center-door façade. Rooms on both floors were fitted around the center hall regardless of whether they could enjoy the best exposures or views. The main rooms overlooked the street, and the kitchen got the most desirable garden view. Heating equipment gave the house only spotty warmth, and large windows were avoided for fear that heat would escape through them. This tightly-compressed plan was much in vogue 25 years ago in many communities.

Now look at the new plan on the opposite page. Each room is placed to its best advantage and the house takes its shape and character from the plan. Rooms are not forced to fit into a predetermined architectural pattern. You enter through a covered porch. The two-car garage has parking space in front for guests' cars. It also has storage space for garden furniture, tools, bicycles. You don't have to go to a basement for them. (Continued on page 122)



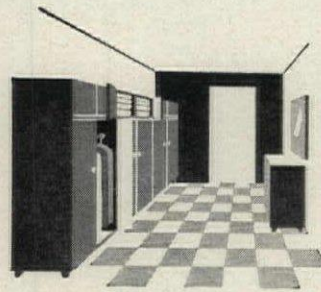
Today's house has an open plan, flexible rooms, outdoor living space



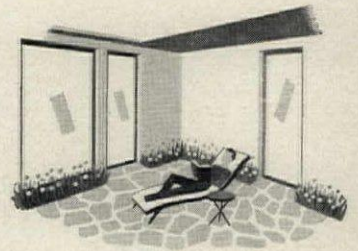
1. Children are part of plan. They need play space indoors that can take wear, and outdoor play space.



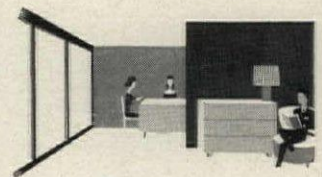
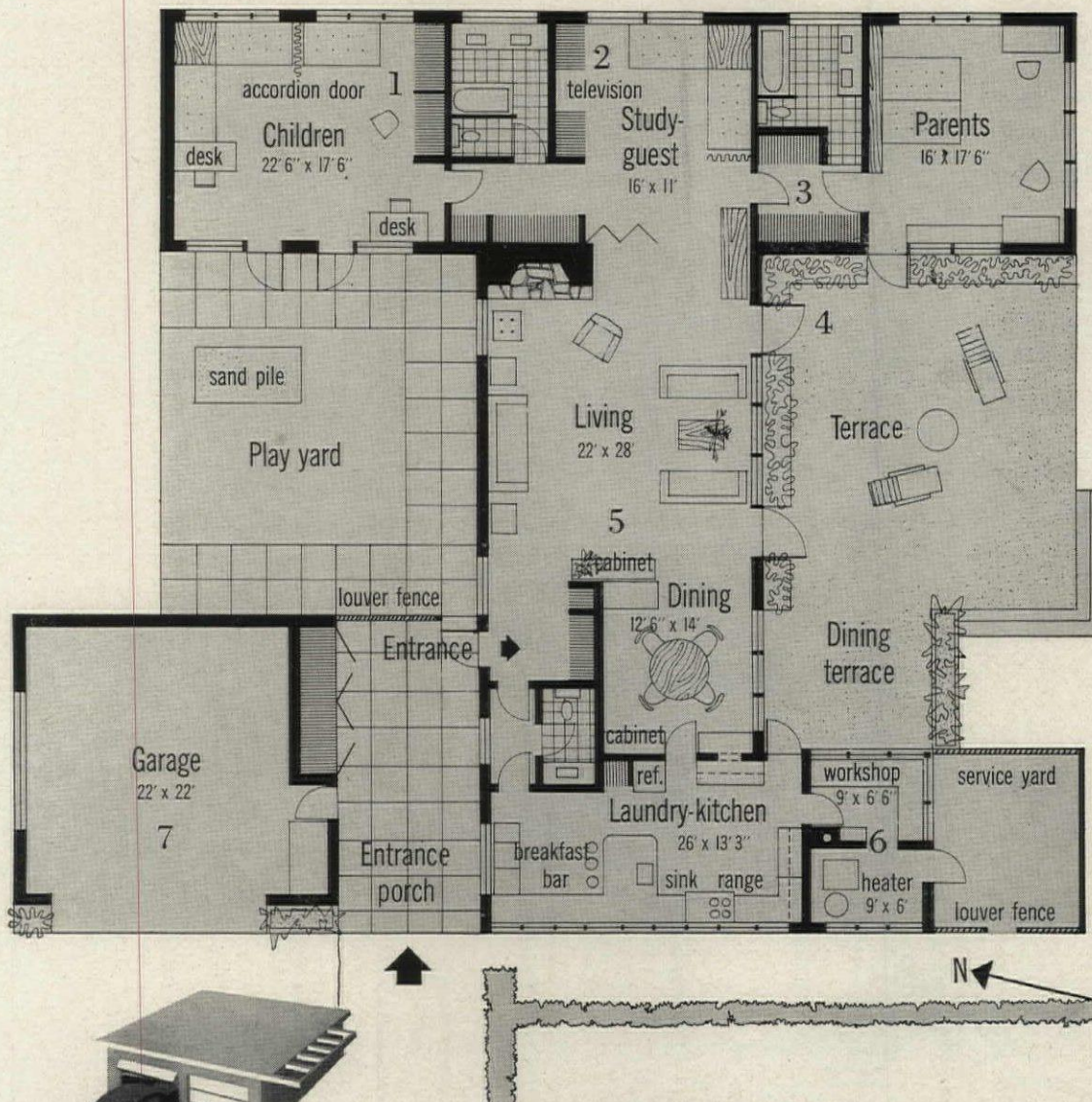
2. Television, which has changed family routine, requires a special spot and furniture arrangement.



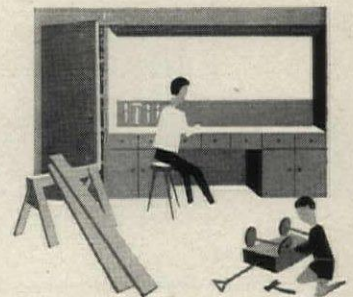
3. Storage walls, well organized and engineered, can help replace vanishing basement and attic.



4. Outdoor living areas, to amplify indoor rooms, are part of planning. They should be private, well placed, adaptable.



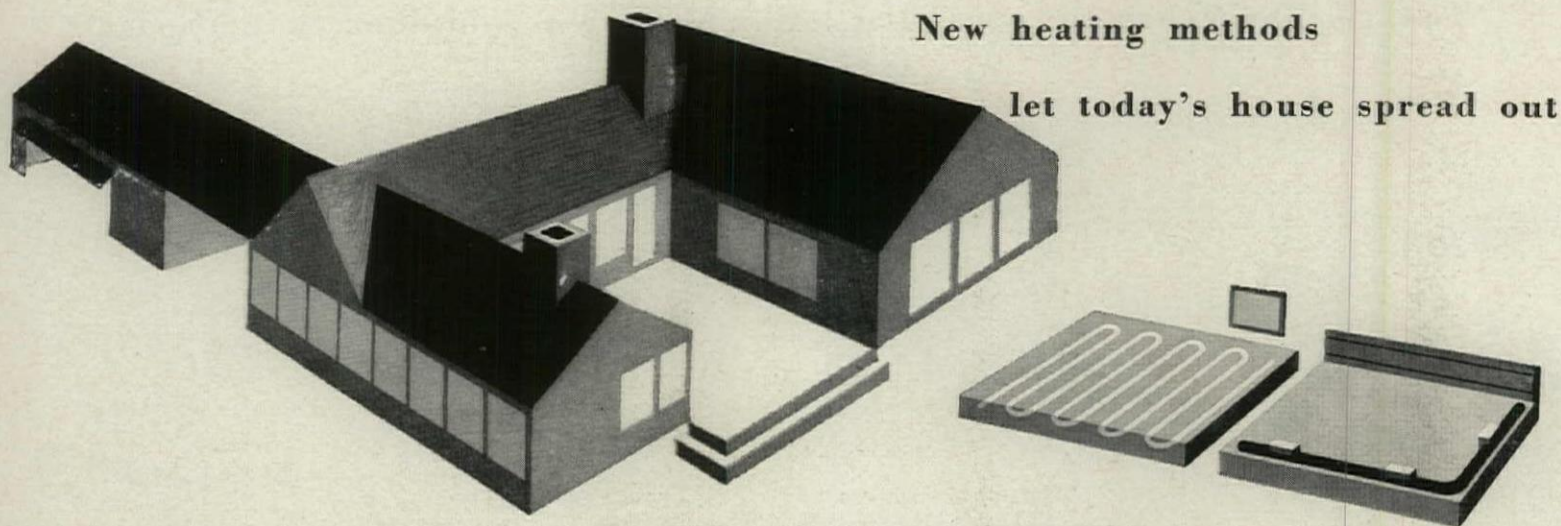
5. Dining area gains all-day usefulness by joining living area; also helps to enlarge it. At same time, it can be partly screened off.



6. Workshop, for popular "do it yourself" activities and for children's hobbies, merits house space.

7. Two-car garage adjoining the house is basic need today. Includes ample storage.

Present-day plan shows you how new house design differs from old. It spreads out on one floor to gain good exposures for every room, to create outdoor living areas, and give easy access to them. The interior is open and flexible. It gets more usefulness from every room, permits rooms to be combined (or separated) for different uses.



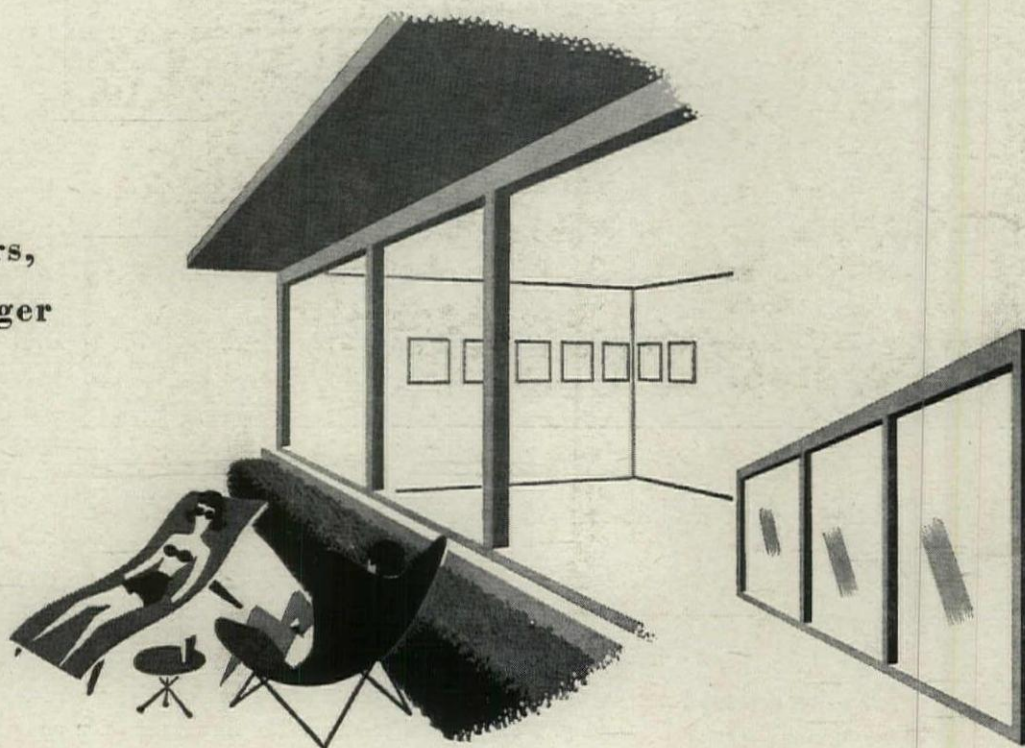
The rambling houses we like today would be uncomfortable in winter without present-day equipment. New means of distributing and controlling heat let rooms stretch out instead of huddling around a center chimney. Entire floors, walls, ceilings can be warmed by coils, baseboards, ducts, electric panels (symbolized above, right) which function automatically. Hand-in-hand with new heating is insulation. It provides a snug overcoat to keep a rambling house warm.

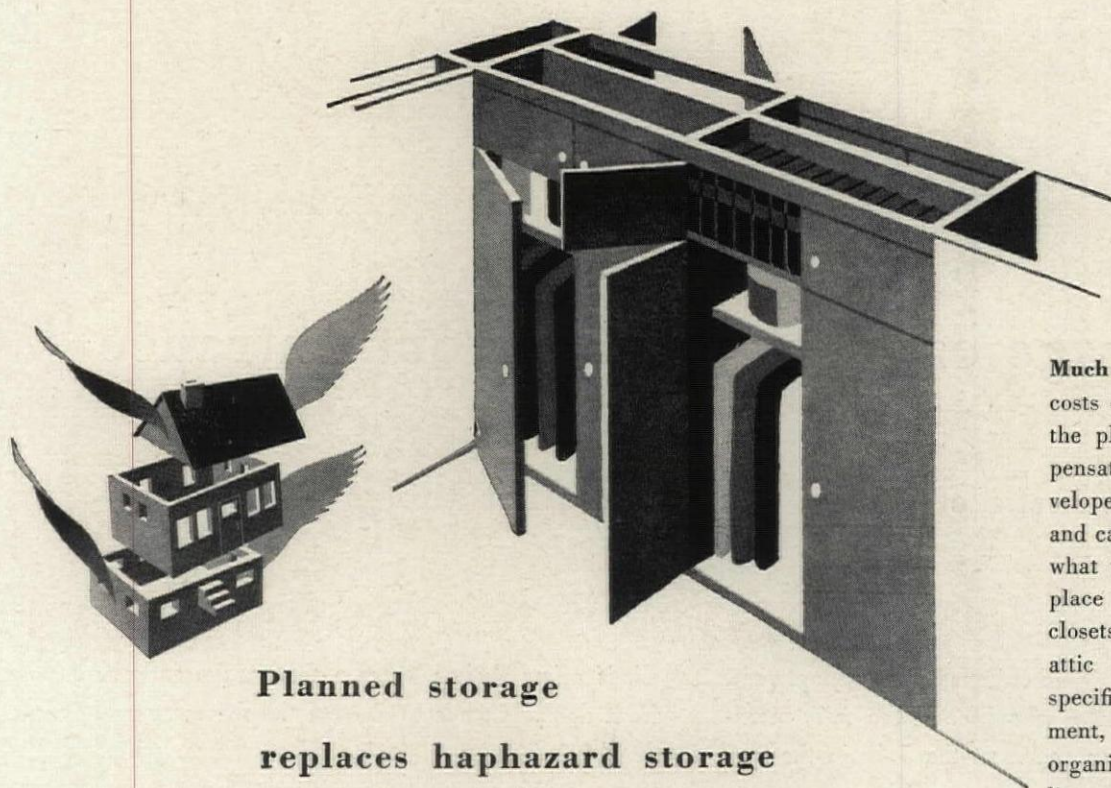
The house is in three parts: service rooms at the front, living room in the center, bedroom wing at rear for privacy. Thanks to modern heating, the house can ramble all over the site; new equipment spreads warmth evenly, adjusts indoor temperature to outdoors, regulates heating needs of each wing separately. The kitchen and laundry are now combined in one large area. Automatic laundry equipment, kitchen appliances, a freezer, plus space for breakfast and for children's meals, call for a large room. The family workshop is conveniently placed right next to

it. The living room has a glass wall (made practical by new insulating glass) which faces south. It not only opens the room to sun, breeze, and garden view, but expands its apparent size. The open plan of the house (note the few partitions) enlarges the informal living room by joining dining room and study to it. They can also be screened off. The bedroom wing shows the important part children play in new plans. One large room is the children's playroom by day, divides into sleeping rooms at night. Easy-to-maintain finishes and materials are used throughout.

Glass walls open the house to outdoors, make rooms look larger

Larger windows and glass areas are the trade-mark of the new house. The interest in outdoor living, the desire to enjoy more sun and view indoors have opened up the house walls. As houses grow smaller, glass walls have also helped to increase the apparent size of rooms by joining outdoor space to indoor space. Insulating glass, right, has made maximum glass possible with minimum heat loss in winter.





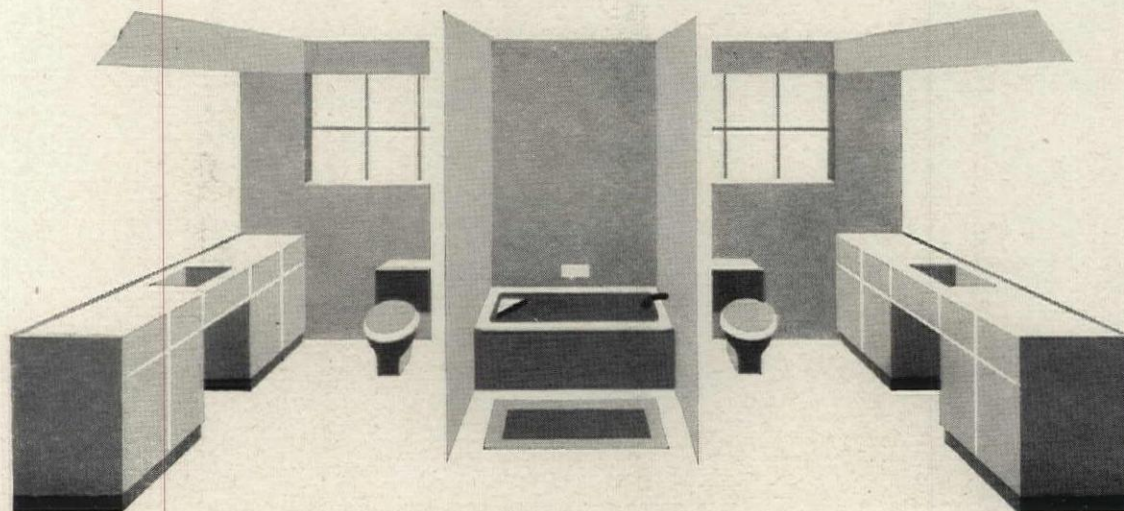
Much storage space is lost as high building costs eliminate basements and attics from the plans of many new houses. To compensate for it, storage walls have been developed. They are planned as the drawers and cabinets in a shop would be—sized for what they are to hold and located at the place of use. Instead of the catch-all closets or the hard-to-get-at basement or attic of the past, they are arranged specifically for clothing, cleaning equipment, dishes, records, etc., etc. Properly organized, they take less space and can line a hall or form a wall between rooms.

The kitchen is the control center

Work saving appliances, such as the modern range, refrigerator, and sink, first changed the kitchen. It is still changing. Today much new equipment has been added—a freezer, dishwasher, an automatic washer, dryer and ironer for the laundry, to name a few. And today the servant shortage has put the housewife back into the kitchen. It has become the work center of the house, more of a family room and less of a laboratory. A housekeeping desk, a spot for sewing, a corner for breakfast or children's meals, play or study, are a logical part of it now.



Bathrooms are better organized



Baths are increasing in number although the house is dwindling in size. They are also more adaptable, more convenient, better organized. New plans, with the fixtures in compartments, make it possible for several persons to use the bath at one time with complete privacy. The plan, at left, between two bedrooms, has the convenience of a bathroom for each bedroom but needs only one tub. Storage for bulky medicines, for ample towels; better lighting; easy upkeep floor and wall materials; better fixtures are other improvements.

Today the garage can also be the front entrance

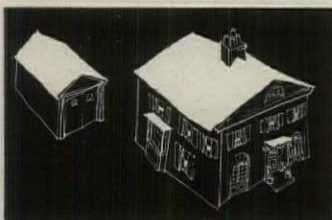
It should include storage space for other things besides cars

Most of us would find it impossible to shop, visit, take the children to school, catch the early morning train to town (or meet the 5:45 in the evening) without a car or two. This motor-borne life of ours is rapidly making changes in the design of our houses. Because the car has now become so indispensable, the garage is being built right into the house for easy access. It is often located at the front of the house and not at the back of the lot as the old-time stable was. In many new houses it actually serves as the main entrance. The house shown below is an example. This has a number of advantages today. First of

all, it offers shelter between the garage and the front door. It tends to shorten the driveway and thereby minimize maintenance problems, which means less repair and less snow shoveling. A motor court in front of the garage can provide off-the-street parking for guests' cars. The garage itself can be a barrier between the house and street, helping to screen outdoor living space. In addition to this, the garage has also acquired new usefulness as storage space. Instead of a catchall heap of toys and tools, it now has compact storage walls. If it is properly planned, it can also be used as a workshop or a hobby room. *Continued on page 198.*



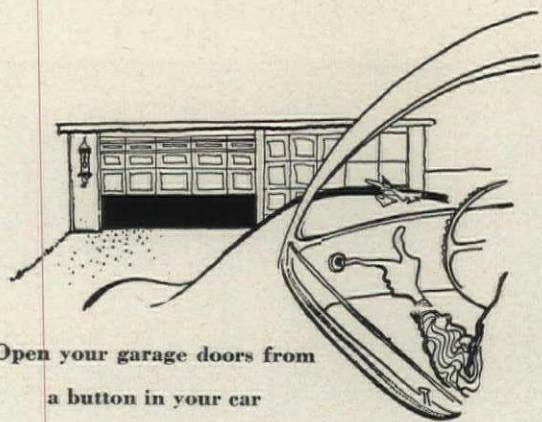
ROGER STURTEVANT



**Open carport
is combined with front entrance**

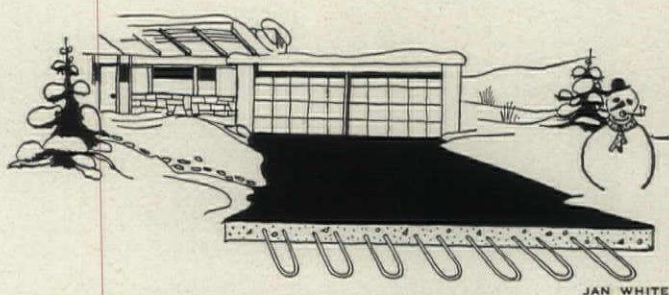
Sheltered space for several cars and a covered passage to the entrance door creates an attractive front. There is also ample parking space. The house, by architect Pietro Belluschi, has a center courtyard; carport helps to enclose it along the front.

The garage used to be a poor relation, behind the house



**Open your garage doors from
a button in your car**

By radio control (through a transmitter in the car, a receiver and electric motor in the garage) you can open or close an overhead door, turn garage lights on or off.



Save snow shoveling with heat coils in drive

Hot water or steam pipes laid under the entire drive or in car tracks will melt snow, ice. They can be connected to house system or you can use separate heat coils.



Make your garage easily accessible

This two-car garage is attractively incorporated into a traditional house, designed by Walter Durham, architect. As the garage adjoins the kitchen, there is no need to go outdoors. The door swings effortlessly overhead. Circular drive lets cars in and out without backing.



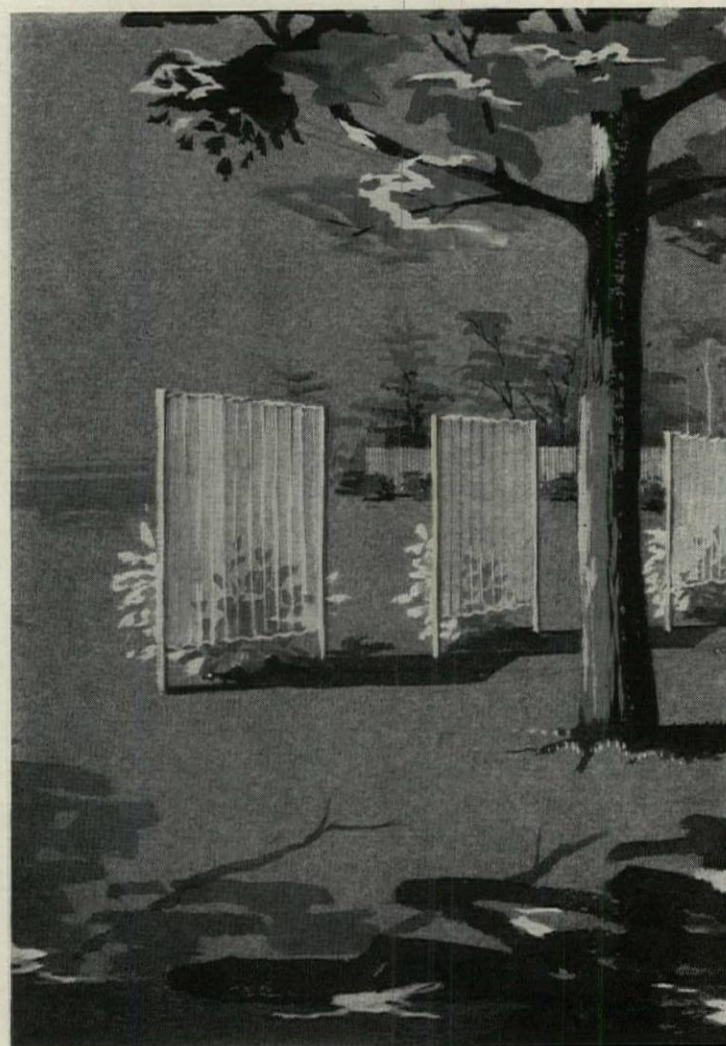
**Create a convenient car shelter
by extending the house roof**

This drive-in carport is also an adroitly planned service entrance in this house by architect Perry Duncan. Steps lead down to the kitchen door and give access to the house under cover. An 8' x 8' room off the carport stores terrace furniture, garden equipment; space under carport holds trash cans, firewood.



KERTESZ

Make your living room as cool as a screened porch with floor-to-ceiling glass panels which slide back into a wall pocket. Encourage hot air to escape through windows high on the opposite wall, thus drawing in air cooled by shaded grass and trees. Shade house and terrace with large tree to the south. A projecting eyebrow roof above the living-room window is equally good protection against the hot southern sun and sudden heavy rains. The heat and glare of the evening sun could be lessened by translucent corrugated plastic screens placed so that they will cast long, colored shadows on the terrace.

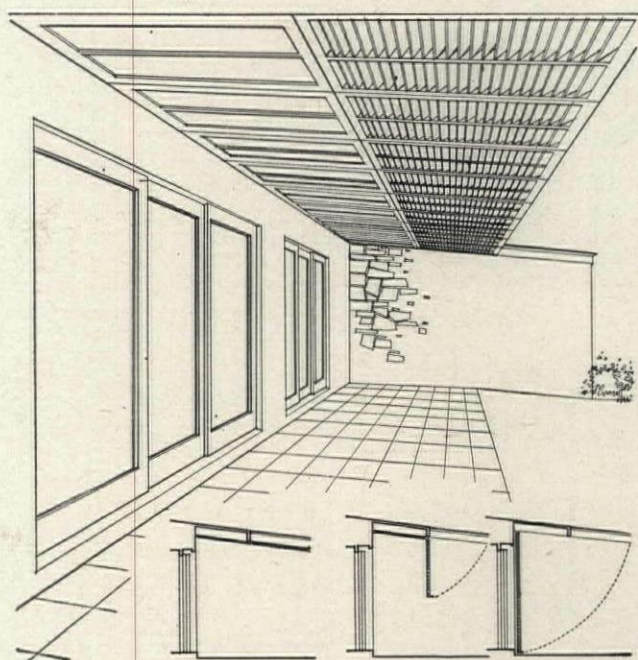
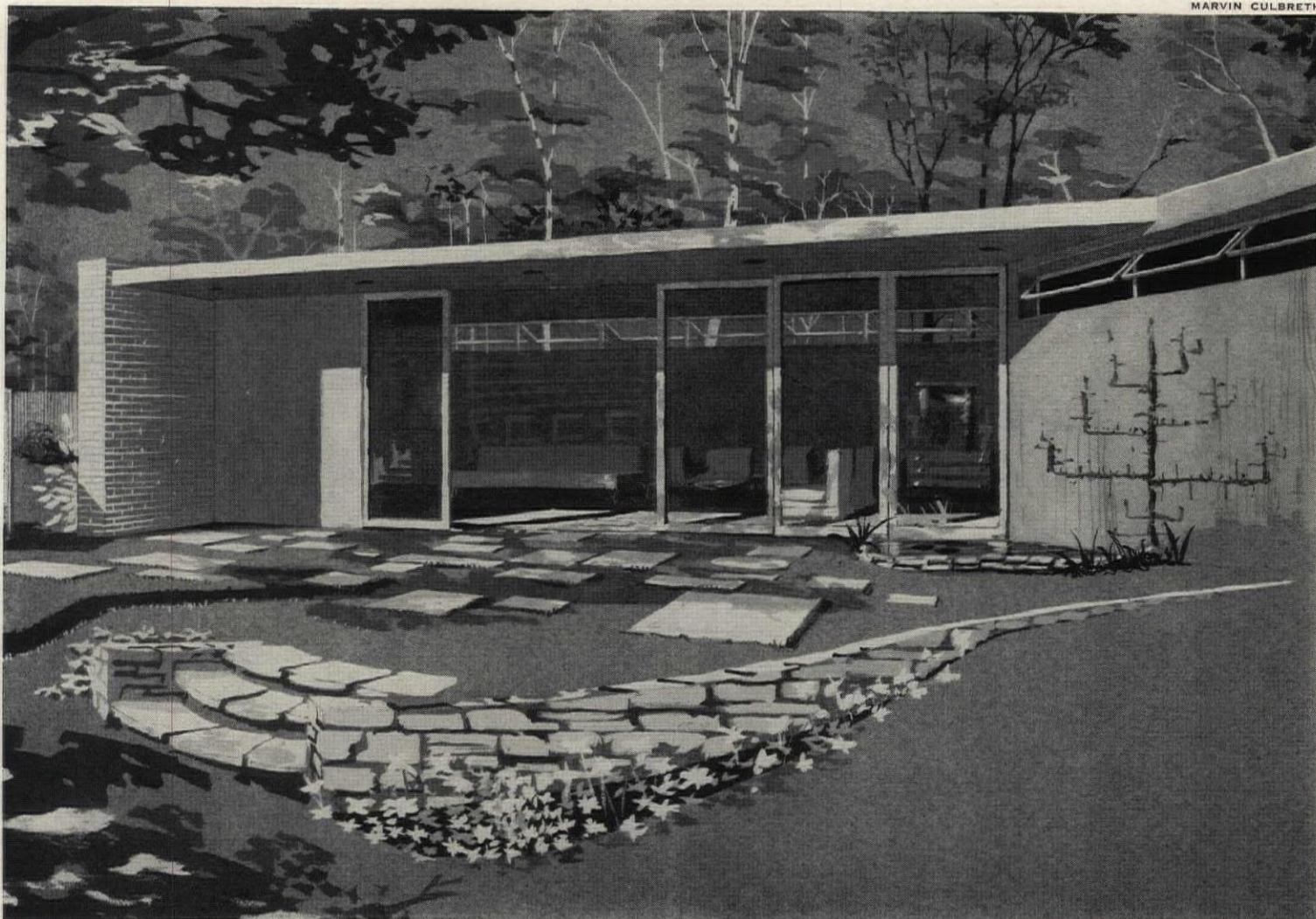
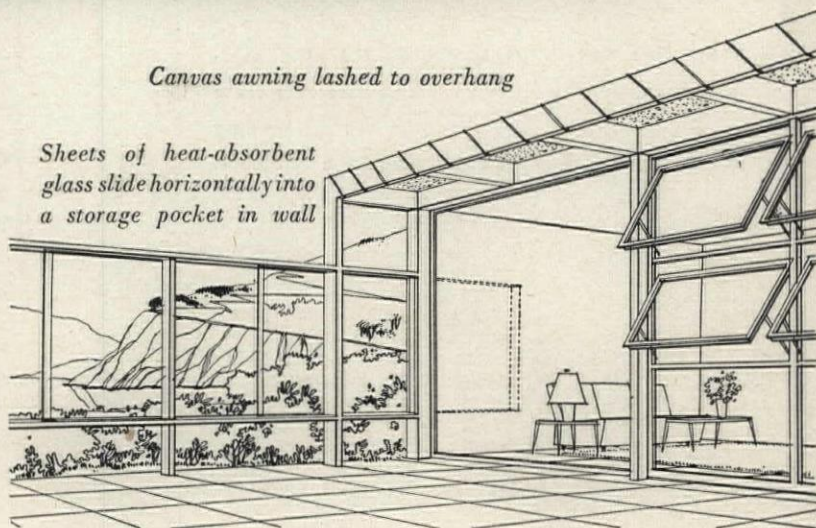


You can cool off at home in the summer

Your home can be just as cool as that cottage by the lake and considerably more convenient. For houses are kept cool just like people: by staying in the shade with a cool breeze blowing past. Shade can be grown, in the form of trees and hedges, or it may be built-in, with projecting roofs and walls and awnings to prevent sun penetrating the house during the heat of the summer. Both walls and roof should be well insulated. White-painted walls, white shingles on a sloping roof, and white marble chips on a flat one will help by deflecting much of the sun's rays before heat can invade the house. A fine water spray, particularly in a dry, hot climate, will cool roof and walls by evaporation, just as perspiration cools you. In order to plan effective shading for your house, remember that in summer the most unpleasant heat is from midday, when the sun is high in the south, until early

evening, when the sun has reached a point low in the west. A sun shade on the south, therefore, should be *above* the area to be shaded: a tall, nearby tree, for example, or an eyebrow projecting above the window. A sun shade to block the western sun must be lower and partly in front of the area to be shaded: a thick hedge, for example, or a wall, or a blind, hung from the outer edge of an overhang. Within the pool of shade created, the air should be encouraged to keep moving. This may be done mechanically, by a fan arranged to draw air through the house, or by encouragement of the prevailing breeze with windows set high up near the ceiling on the lee side of the house. Hot air within the house is drawn off through these openings and replaced by fresh air sucked in on the windward side. Garden and terraces should be planned so (Continued on page 200)

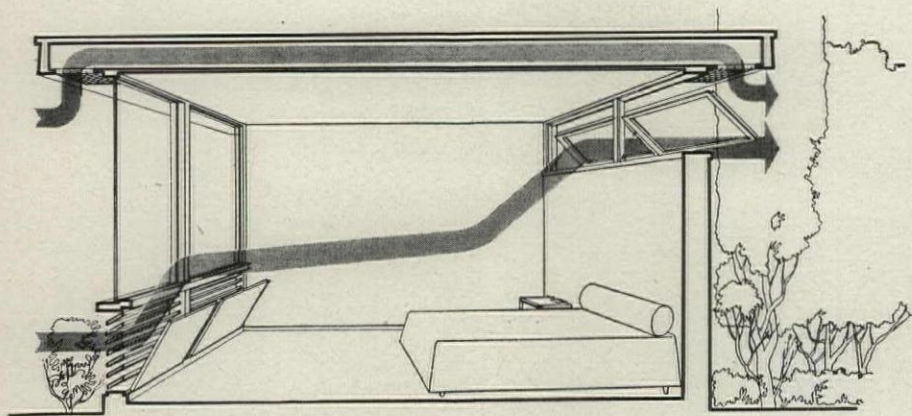
MARVIN CULBRETH

*Morning**Afternoon**Storms**Canvas awning lashed to overhang**Sheets of heat-absorbent glass slide horizontally into a storage pocket in wall*

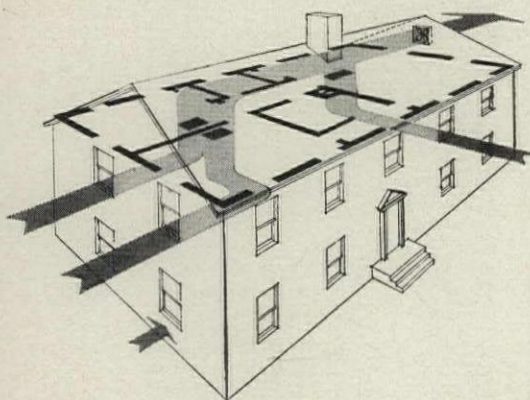
RIEGER

To the west use horizontal sliding panels of heat-absorbent glass to screen out sun heat and glare in late afternoon. Living room has large panel of fixed glass for view, a group of outward-opening windows for ventilation. Awning canvas lashed onto a wooden frame above the windows will protect the room from the overhead summer heat and glare.

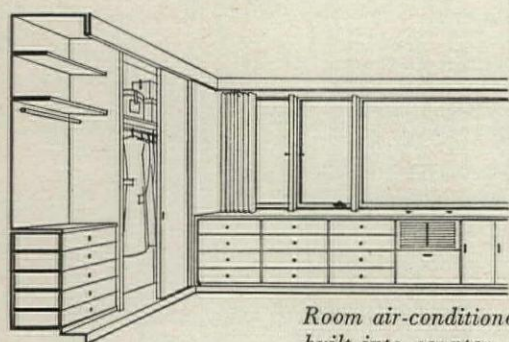
Install sunshades which fold down for use as storm shutters. A particularly good idea for vacation cottages and areas where hurricanes threaten. As a shield against the low western sun, this adjustable overhang is hinged in the center, so that the louvered outer section may be lowered in the afternoon to ward off the hot sun and prevent it from striking into the house.



Warm air escaping through a line of windows above the bed, helps to draw in the cool night air at ground level through louvers below the fixed sash. An air wash between the roof and the ceiling prevents accumulation of heat, so the room cools off quickly at sunset.

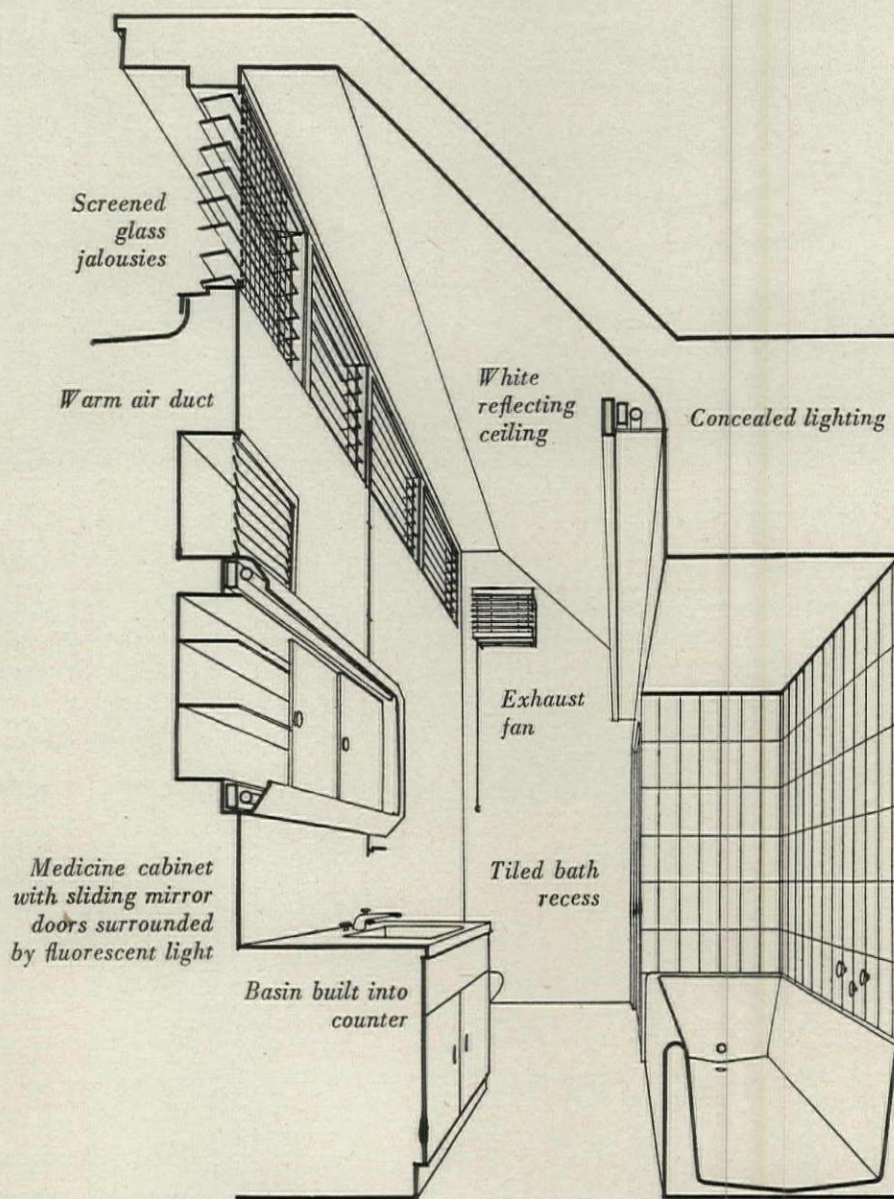


Master ventilating fan in gable end of the attic (facing away from prevailing wind) extracts stale air from the house. The warm air is pulled up through ceiling grilles and cool, fresh air drawn in from the outdoors.

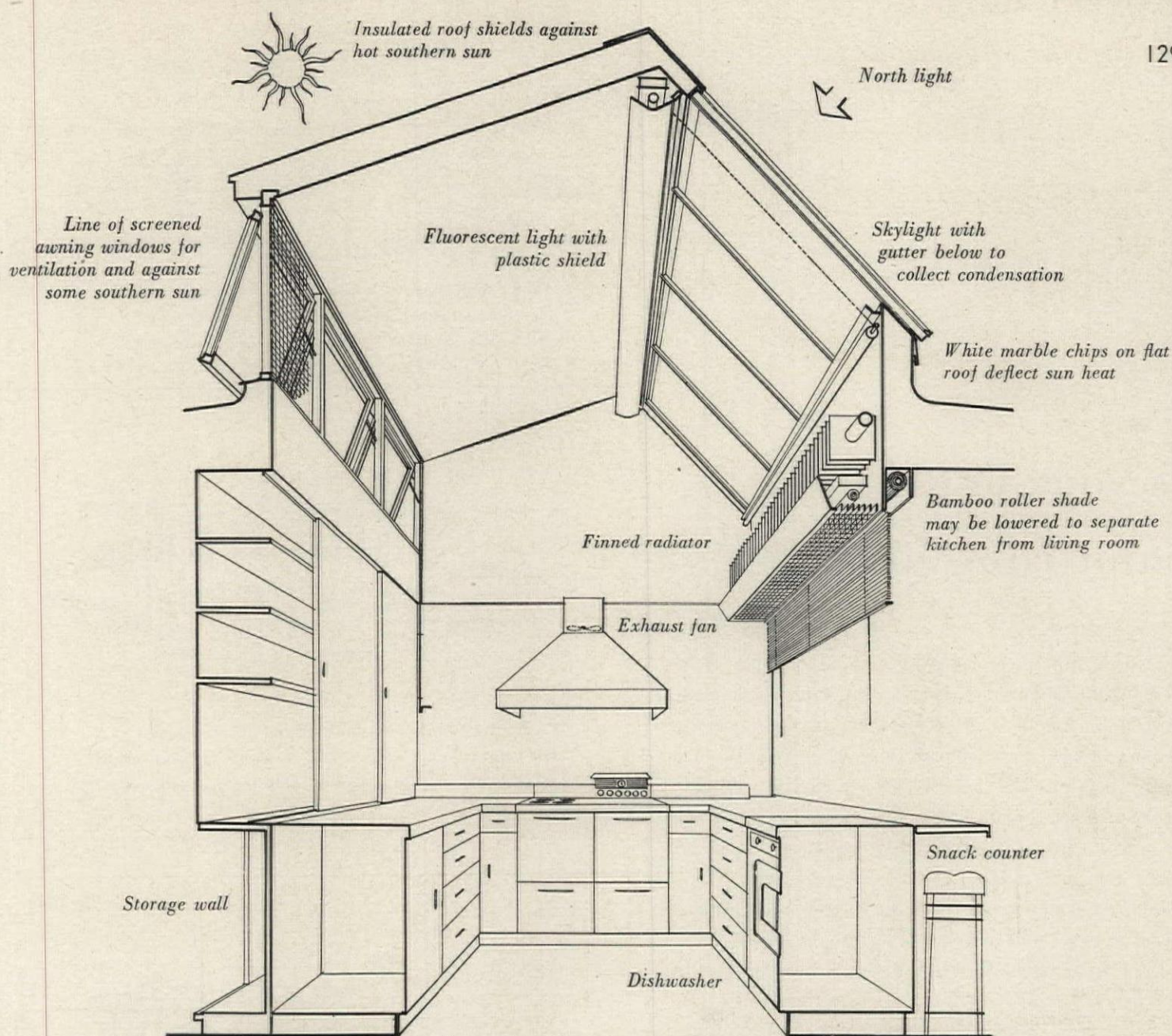


Room air-conditioner built into counter below window

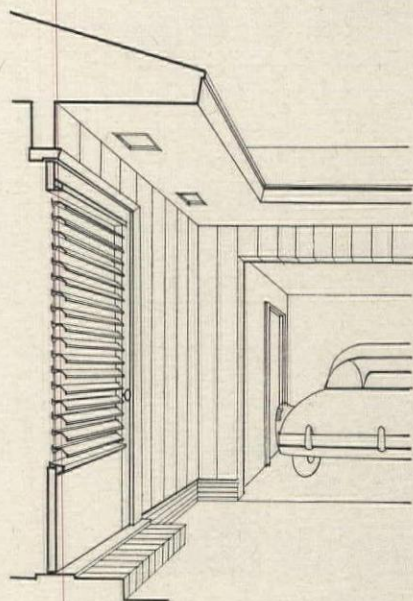
A room air-conditioner, which will cool, clean, dehumidify, and circulate the air, could be built into cabinets below dressing-room window, so that cooling effect laps over into the adjoining bedroom and bath.



In this bathroom, the hot steamy air is drawn up naturally into the raised clerestory section, where it escapes through the glass jalousies, which can be left open even in heavy rainstorms. For occasional forced ventilation, there is also an exhaust fan. To eliminate cold down drafts from the clerestory windows in winter, the warm air heating outlet is situated immediately below them.

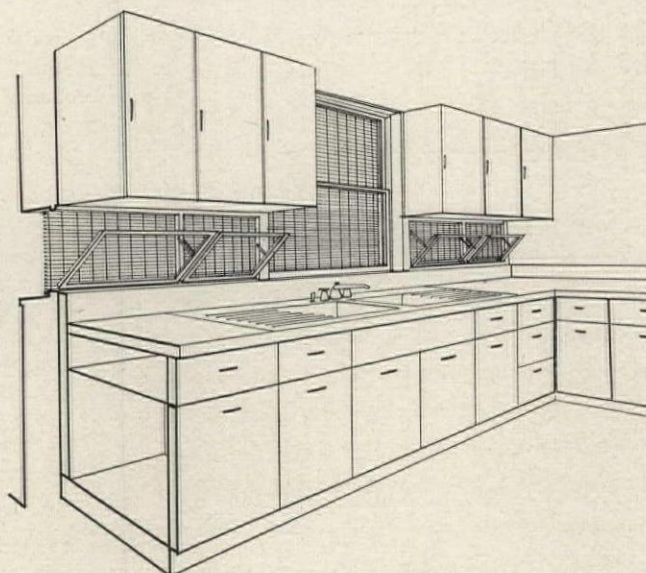


Set in the center of a house, this kitchen will act as a huge ventilating shaft, drawing stale air from the living room into which it opens (right). This strong air movement also prevents cooking odors from spreading. If properly oriented, the skylight will give the cook that cool, even north light which painters love, and also some direct, clear sunlight in winter.

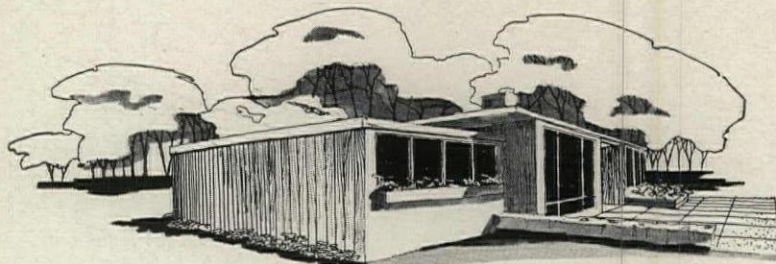


If the kitchen entrance in your house is too near the front, why not replace the ordinary screen door with a new screened aluminum jalousie? It will provide a good combination of ventilation and of privacy.

Louver-like screen shades kitchen from sun heat; windows opening in give protected ventilation



For more light and ventilation in the kitchen, open the wall between countertops and cabinets and fit in-opening vents, so that the wind will not blow in directly on the counter. Use louvered insect screening in all the kitchen windows.



This small modern house on a suburban lot calls for natural wood finishes or white walls accented by sharp colors. See solutions on opposite page.

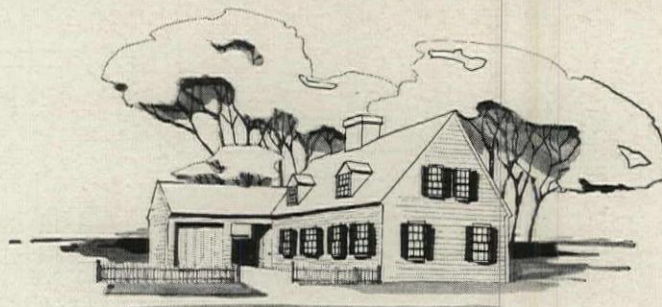
Is your house color-conscious?

The imaginative use of color has spread from the inside of the house to the outside today. Fresher, subtler colors are available in literally hundreds of new paints and stains, and the exterior of your house can now be as individual as the interior. The improvement it effects over old-fashioned house painting conventions is demonstrated on the opposite page. Walls do not have to be plain white, or mousy gray, or tepid tan. Shutters and trim need not inevitably be blue or green. Planning exterior color begins, of course, with walls and roof. They are the largest areas of color on your house and must always tie in well with the landscape. In choosing a paint scheme, remember that natural stone or brick walls, weathered roof shingles are all part of your over-all color scheme. And don't forget the great importance of details for color contrast. Your doors, window sash and frames, the cornices and eaves of the roof, the chimneys, shutters, window boxes, fences, and gates are all places for sharp or muted color accents. Important, too, are the colors of outdoor furniture, window curtains, the terrace paving and paths, the flowers and planting around the house. All these factors need to be related for a good color scheme. And don't forget that colors of neighboring houses are also influential factors.

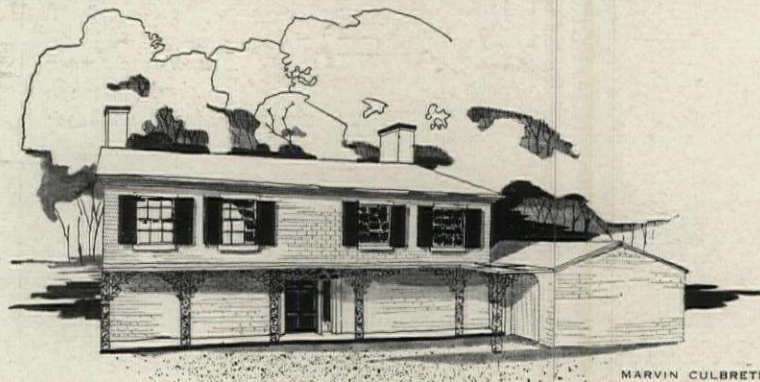
The new importance of color on the outside of the house has come about for several reasons. First of all, paint manufacturers have solved the technical problems of making exterior paints that are non-fading and durable. They are offering extensive color palettes in ready-mixed or custom-mixed paints and stains. (Many of them match House & Garden's own colors.) Second is the general trend, inside and outside the house, to match nature's colors. The popularity of warm, earthy exterior paints and the natural finishes such as redwood, cedar, and cypress on the outside of the house are clear evidence of this all over the country.



A Regency house is usually found in the city and its color scheme need not tie in with a natural setting. The colors, opposite, suit its architectural character.



For Colonial houses you can now find hundreds of ready-mixed paint colors and stains. The three schemes on the facing page avoid ubiquitous white.

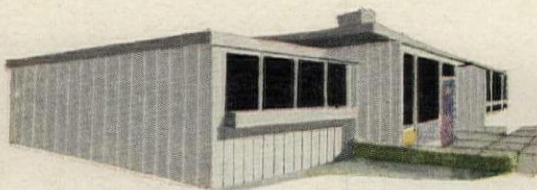


MARVIN CULBRETH

Painting porch, shutters, benches, and other details in contrast to walls and roof (opposite) adds to the Georgian flavor of this house.



ROOF: white gravel.
EAVES: buff paint.
CHIMNEY: brick, red paint.
WOOD WALLS: redwood stain.
WINDOWS: white paint.
DOOR: forest green.
TERRACE: buff concrete.



ROOF: white gravel.
EAVES: white paint.
CHIMNEY: brick, white paint.
WOOD WALLS: white paint.
WINDOWS: white paint.
WINDOW PANELS: hyacinth blue, citron yellow.
DOOR: navy blue.



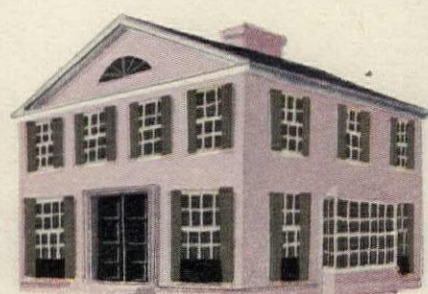
ROOF: gray gravel.
EAVES: sprout green, underside, pebble.
CHIMNEY: brick, pebble paint.
WOOD WALLS: pebble stain.
WINDOWS: white paint.
DOOR: terra cotta.
TERRACE: willow green concrete.



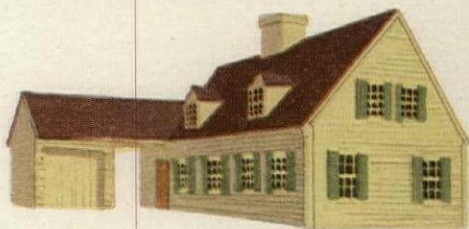
ROOF: charcoal gray shingles.
CORNICE: black paint.
CHIMNEY: cement, sandalwood paint.
CEMENT WALLS: sandalwood paint.
SHUTTERS: white.
SASH: black.
FRONT DOORS: dark green paint.



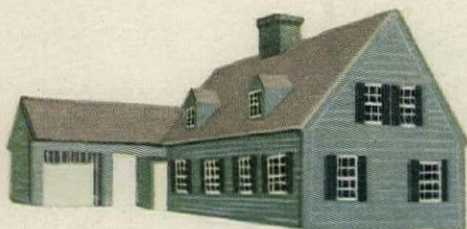
ROOF: dove gray shingles.
CORNICE: black paint.
CHIMNEY: cement, bracken green paint.
CEMENT WALLS: bracken green paint.
SASH, SHUTTERS: black.
FRONT DOORS: mustard.



ROOF: black shingles.
CORNICE: white paint.
CHIMNEY: cement, light heather paint.
CEMENT WALLS: light heather paint.
SHUTTERS: dove gray.
SASH: white.
FRONT DOORS: black.



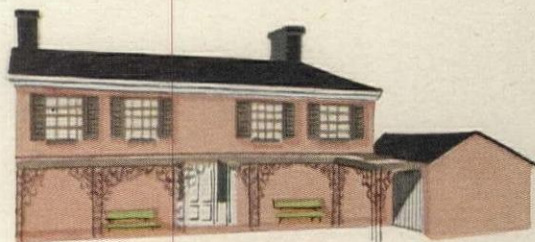
ROOF: Madeira brown shingles.
CHIMNEY: brick, citron yellow paint.
CLAPBOARD WALLS: citron yellow paint.
DORMERS: citron yellow paint.
WINDOW SHUTTERS: willow green.
WINDOW SASH: citron yellow.
FRONT DOOR: copper paint.



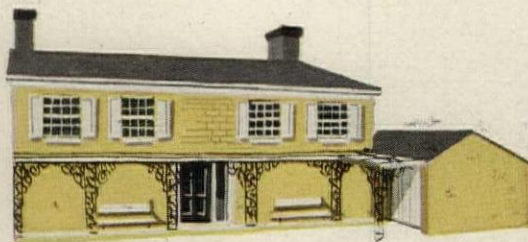
ROOF: stone gray shingles.
CHIMNEY: brick, aquamarine paint.
CLAPBOARD WALLS: aquamarine paint.
DORMERS: aquamarine paint.
WINDOW SHUTTERS: charcoal gray.
WINDOW SASH: white.
GARAGE DOOR, FRONT DOOR: white.



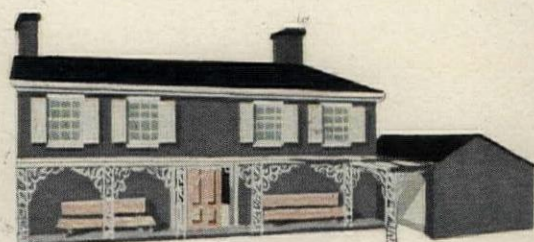
ROOF: dark gray shingles.
CHIMNEY: brick, red paint.
CLAPBOARD WALLS: dark red paint.
DORMERS: dark red paint.
SHUTTERS AND SASH: Madeira brown.
GARAGE DOORS: Madeira brown.
FRONT DOOR: white.



ROOF: black shingles.
CORNICE: white.
CHIMNEY: brick, black paint.
BRICK OR SHINGLE WALLS: pink paint.
SHUTTERS AND IRONWORK: warm gray.
SASH AND DOORS: white.
BENCHES: sprout green.



ROOF: gray shingles.
CORNICE: white.
CHIMNEY: brick, gray paint.
BRICK OR SHINGLE WALLS: chrome yellow paint.
SHUTTERS, SASH: white.
IRONWORK AND FRONT DOOR: black.
BENCHES: white.



ROOF: black shingles.
CORNICE: white.
CHIMNEY: brick, gunmetal paint.
BRICK OR SHINGLE WALLS: gunmetal paint.
SHUTTERS, SASH, GARAGE DOORS, IRONWORK: white.
FRONT DOOR, BENCHES: pink.

It's an American custom to eat breakfast on the run. Breakfast counter, right, conveniently serves quick meals to four members of the family, or lunch to children when they dash in at noon from school. Row of electrical outlets along this wall allows toaster, coffeemaker, and other appliances to cook simultaneously. Iron stools have comfortable corded backs, slide under counter when not in use. When a large party is in preparation, counter provides additional work surface or assembly spot for serving. Below, left, laundry side of the peninsula and, right, kitchen side. Peninsula is centered at wide window.



HAANEL CASSIDY



Every inch of space counts in this kitchen

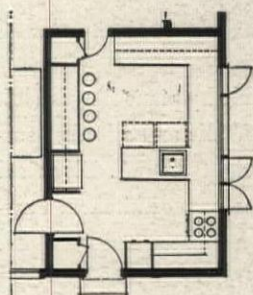
VON MIKLOS



The breakfast bar also serves lunches, snacks

Today's kitchen is no longer the forgotten room of the house, unused except by cooks. In these informal times, it's the hub of the house. The kitchen on these pages is in HOUSE & GARDEN's House of Ideas (see page 90). Only 12' x 17' in size, it is actually a combined laundry-kitchen. Its main-spring is the central peninsula (see opposite) formed by backing the sink and dishwasher against the clothes washer and ironer. This plan locates all the plumbing in one spot, a construction cost-saver. A peninsula plan, good in almost any kitchen, not only gives you extra wall space, it also makes each center more compact and is thus a step-saver. Built-ins and a pleasing color scheme are other important features. *Continued on page 203.*

KERTESZ

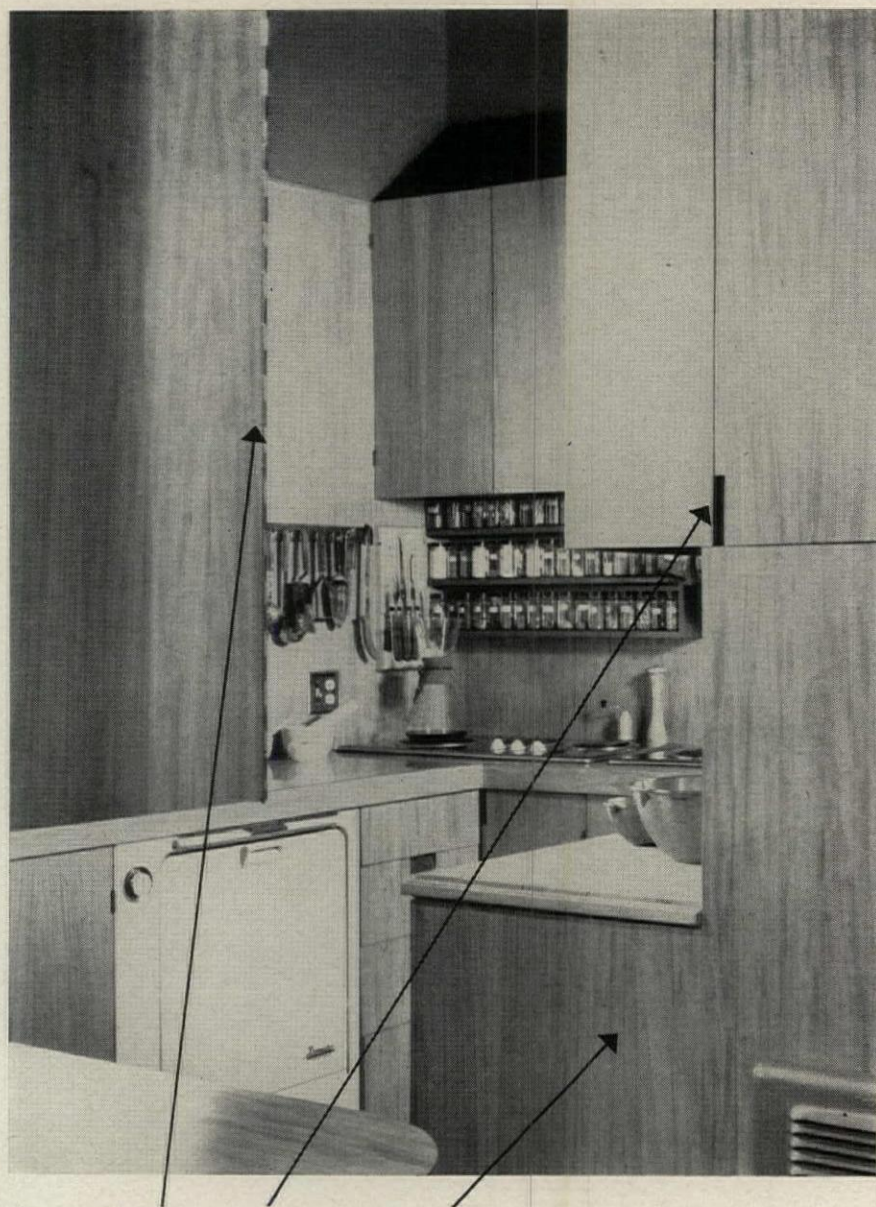


The central peninsula divides the kitchen into clearly defined work areas, yet still leaves a feeling of openness even in a small room where every inch of space is put to working use. Plan above shows how the peninsula forms a double "U" opening to breakfast bar. Right, in cooking center the oven is placed so that you don't have to bend to see if the roast is done. Ventilating fan above the burners draws off odors, filters grease from smoke.



In this kitchen watchmaker detail makes cooking easy

If you add pleasant decoration to precision planning in your kitchen, it's bound to look good and work well. For a modern house in Sherman Oaks, California, architect Rodney A. Walker arranged the all-electrical equipment with the meticulousness of a watchmaker. Under a strong over-all light (emanating from sloped glass panels) everything is located within easy reach of the cook; three pass-throughs cut traffic down to a minimum; cooking tops and ovens are placed at convenient working heights. The automatic dishwasher is beside the sink; the refrigerator, between the back door and cooking tops; the automatic laundry units grouped together. Special features include a ceiling fan which removes the cooking odors, a reversible wooden board for chopping, a marble slab below for pastry and candy making, and switch plates you touch to turn the lights on or off. Stained plywood panels between the painted ceiling beams harmonize with the wood tones of the walls, cabinets, and counter surfaces and also with the eggplant-hued slate floors. This color scheme is repeated in the dining room and outside on the terraces.



1. Flush doors throughout are made possible by piano hinges (left arrow) and recessed pulls (center arrow). Walls and all other surfaces are covered with plasticized wood (right arrow). Electrical heating unit (bottom of picture) warms this part of kitchen. Pass-through, right, to the laundry alcove is also a counter and bookcase.



2. Four sliding glass doors connect a slate-paved dining terrace with dining room. Beyond them is a pass-through for serving meals directly from the kitchen.



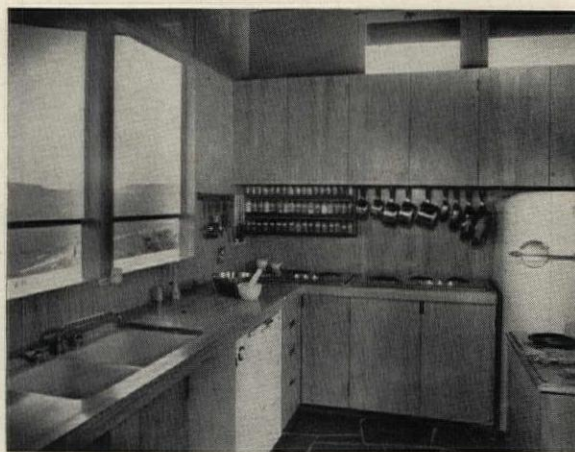
3. Wall between dining room and kitchen is pass-through, service counter and (on kitchen side) breakfast bar. At the right is a sliding door into kitchen.



SHULMAN



6. Kitchen side of pass-through (3) is a breakfast bar



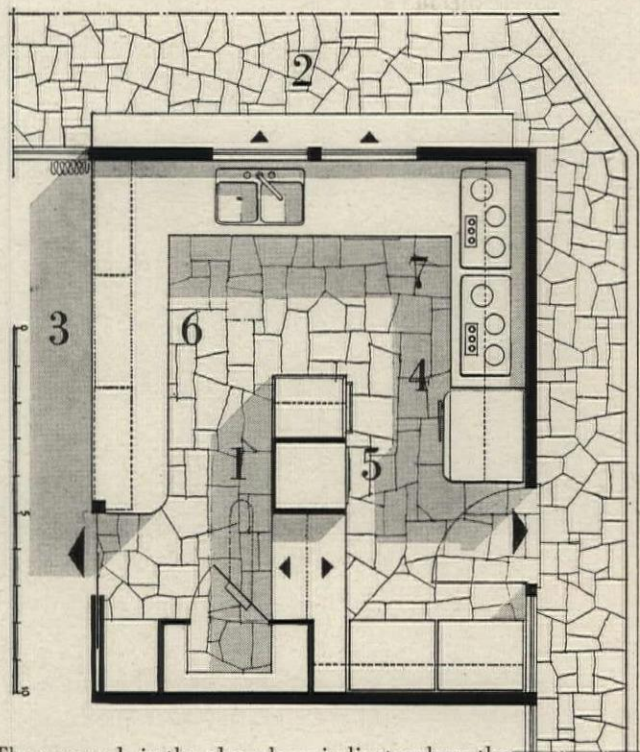
7. Stainless-steel drainboard, left, for hot pans



4. Laundry alcove at right, refrigerator, center



5. One of the two ovens, built in at comfortable height



The numerals in the plan above indicate where the camera stood to take each of the seven photographs on these pages. The door at the left leads to the dining room; the one at the right is the back door and has the laundry units on one side of it, the refrigerator on the other. Slate kitchen-laundry floor matches that used for surrounding terraces.

4 pocket-sized laundries for small houses

Today more families than ever before want complete laundries in their homes, but few good plans have been evolved for locating the laundry conveniently in a small house. Before deciding on the location of your own laundry, examine your individual way of living. Put your laundry where you need it most, where you will find it pleasant to work and, if possible, where you can keep an eye on the children while you work. A complete laundry should have (1) a countertop for sorting clothes before washing, (2) a washing machine, (3) a drier, (4) an ironer, (5) a countertop for sorting clothes before putting them away. It should be arranged in the above order so that you can move in assembly-line fashion from one operation to the next. You also need an adequate hot-water heater, cabinets to hold detergents and other supplies within easy reach. On these two pages we show you four complete, workable, pocket-sized laundries.

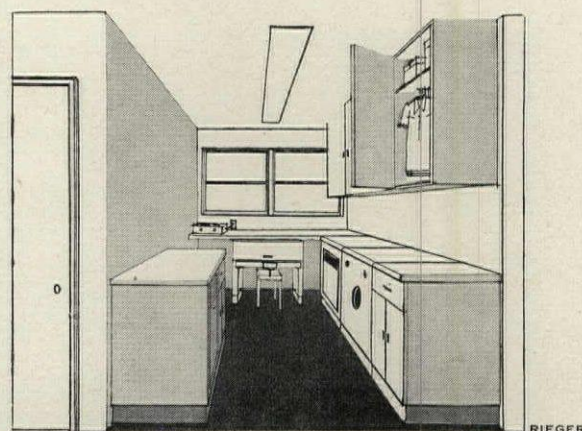
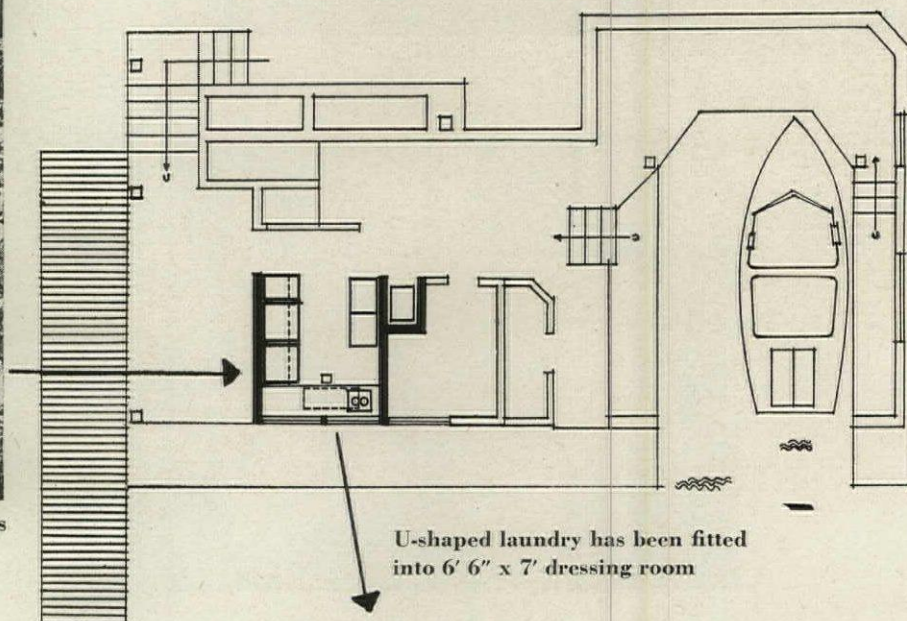
In a vacation house you need a compact, efficient laundry



GILBERT ASK

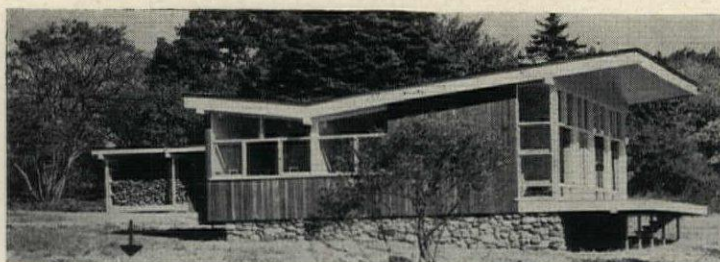
Laundry in lower level enjoys lake breezes

An extra alcove or a dressing room can hold a compact laundry in a tiny vacation house. The lakeside house above has living quarters on the top floor, a boat slip, utility room, dressing rooms below. We designed a U-shaped laundry to fit into one of the dressing rooms, only 6' 6" x 7' in size. It allows sorting, washing, drying, ironing, and a pleasant view across the lake while doing the week-end linens.



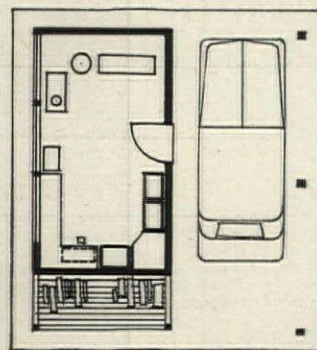
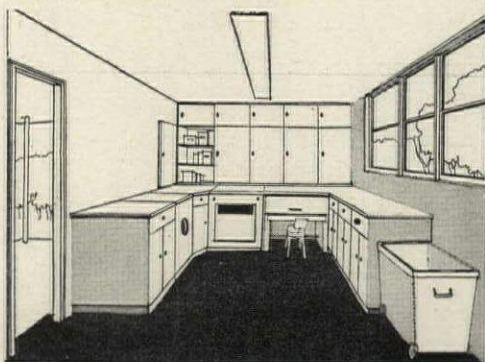
Cabinets store laundry supplies, boating clothes

Install your laundry in the garage to save floor space



DAMORA

Laundry is combined with utility room in garage



Rolling cart, right, carries linens from house to laundry

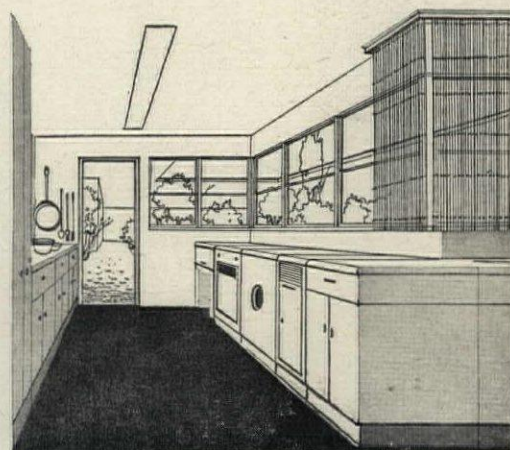
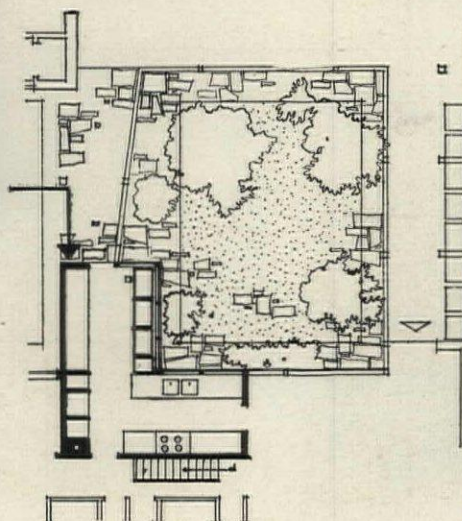
If you prefer to separate your laundry from the house or can't find room for it, why not install it in the garage? Many new houses now have utility rooms in the garage. In the house shown above, the garage-laundry is near the well, which saves plumbing costs; concrete floor is easy to clean, ironer is placed near window which has a garden view.



RICHARD GARRISON

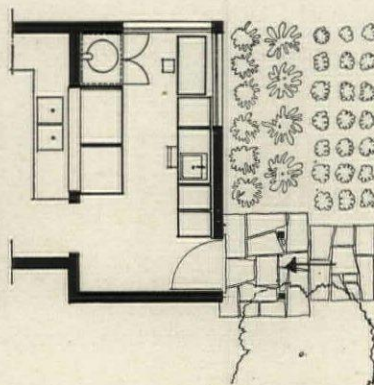
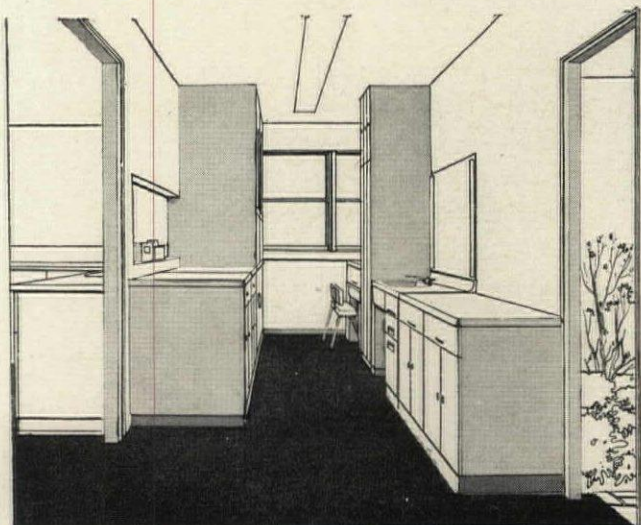
If you like a kitchen-laundry but don't want it to interfere with meal planning, build an L-shaped kitchen and place your laundry around the bend. In the house above, a laundry can share the same plumbing as kitchen, also provides extra work counters near the patio door for preparing and serving outdoor meals.

This kitchen-laundry leads into the patio



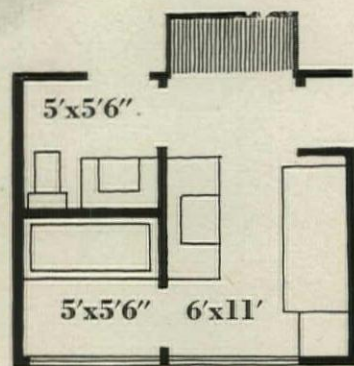
Laundry serves as passage to the outdoors

From a porch-laundry, you can watch the children as you work



An unused back porch can not only solve your laundry problem, it can also be a service room (with a freezer), a mud room with lavatory so small children can wash up as they come in, a storage room for toys, sports gear. In many old houses the kitchen is next to porch; water heater serves both; a pass-through between kitchen and porch saves steps.

HOUSE, OPPOSITE PAGE, WILLARD SMITH, ARCHITECT
HOUSE, TOP OF PAGE, ARCHITECTS COLLABORATIVE
HOUSE, CENTER ABOVE, PAUL THIRY, ARCHITECT



*Four fixtures make
this room as
useful as three baths*

Two lavatories, a tub, and a toilet are distributed among three separate compartments. In this way, three persons can use the room at one time and still have privacy. One area is a dressing room with countertop lavatory, closet, and daybed. Tub is in a second compartment, toilet and extra lavatory (accessible from bedroom and hall) in the third. Fixtures are set back to back for economy.

Don't be a victim of bottleneck bathrooms

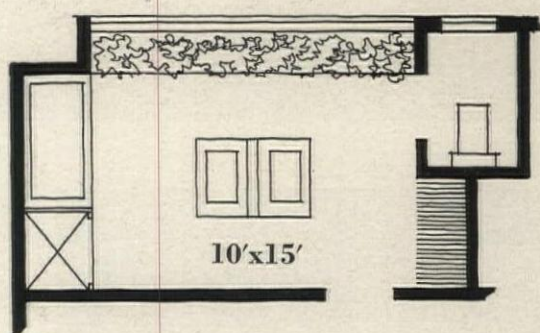
Bathrooms need good planning as well as good plumbing. If young Johnnie is a dawdler and his sister is painstaking in her grooming, it is inevitable that there will be traffic tie-ups and tempers. A bath for each would be ideal, of course, but the high cost of building discourages that. The next best solution is to plan a single bathroom that can do double (or triple) duty. Two examples appear on these pages as our answer to bottleneck bathrooms. They are compartmented rooms that can be used with privacy by several persons at one time.

There are other requisites to a good bathroom as well. Storage, lighting, ventilation, heating, easy-to-care-for materials, quiet and privacy, durable and decorative fixtures and accessories should be on your check list. **STORAGE:** New countertop lavatories (see page 202) provide handy space for towels, toilet articles. Medicine cabinets are larger, too (page 202). And you also need a large closet for bulky supplies, linen, clothing.

LIGHTING: New mirror cabinets include built-in lamps for lavatory and dressing-table shaving or make-up. Ceiling-wide lighting gives glareless night light. Wide windows high on the wall afford daylight with privacy. **VENTILATION:** Freshness can be maintained by a ceiling or a high-on-the-wall exhaust fan. It effects rapid air change and eliminates humidity. Windows alone, useful ventilators in summer, may chill you in winter.

HEATING: Radiant heating in floor or walls, by hot water pipes, baseboards, warm air ducts, is especially comfortable in baths. A wall or ceiling heater, or heat lamps, supplement conventional heating systems.

Continued on page 202



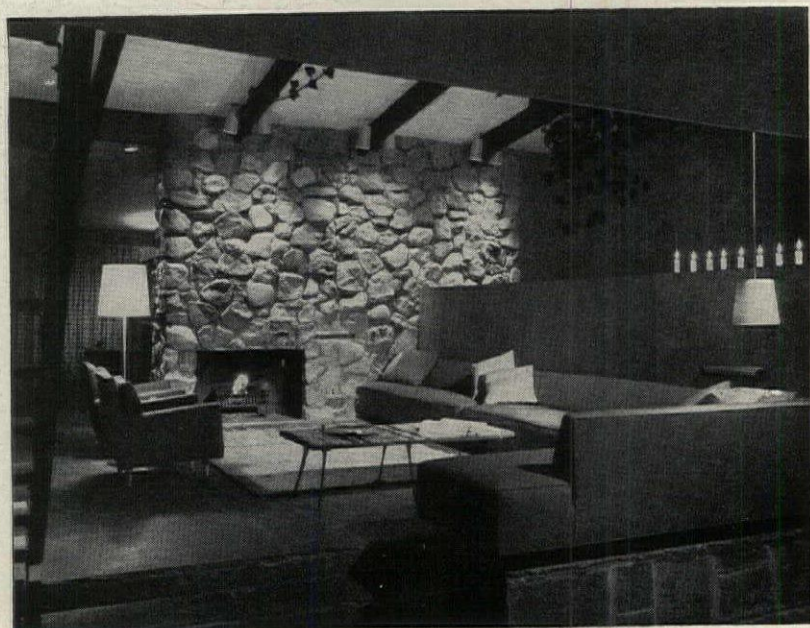
***Twin, back-to-back lavatories
let two use this bath simultaneously***

This large, luxurious bath is designed for a master bedroom. Center-of-the-room fixtures give husband and wife matching countertop lavatories, built-in storage for individual toilet articles. Tub is recessed on one wall with shower adjoining it. Toilet is in separate compartment. Lavatories are well lighted by window wall; electric bulbs are set right into the mirrors to provide clear illumination at night.





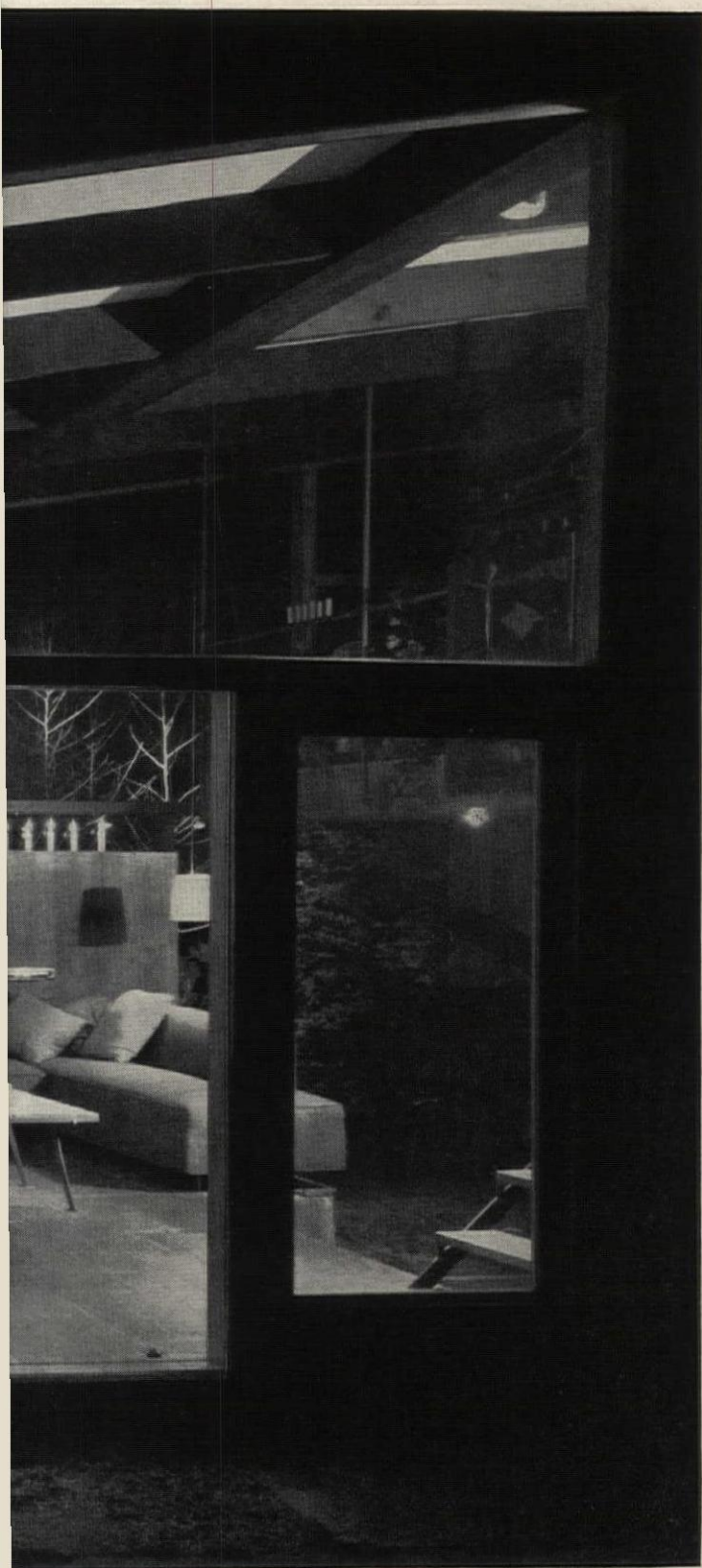
Three elements of good lighting
are illustrated in this interior



Good lighting is part of good living

Lighting a house today is much more than a matter of choosing the most attractive and useful fixtures and lamps. They are important, of course. But the real essential is a well planned, house-wide lighting system. It will enable you to turn your living room into a brilliant setting for a large party or a softly-lighted place for conversation. It will make your kitchen doubly efficient and inviting. It will improve the livability of your house, add lighting as glamorous and as constantly changing as the lighting of nature. Such lighting schemes are an integral and important part of the design of many new houses.

There are three basic elements to work with in designing an effective lighting plan. Each provides a quite distinct kind of light. They can be used separately but they should be adroitly combined. They are technically called: (1) focal glow, (2) ambient luminescence, (3) play of brilliants. If these phrases seem baffling, just glance across the page at the pictures of an interior that combines all three. It will give you a notion of how such a variety of light can define and enhance an interior at night. In this case it also enhances outdoor space because the lighted trees attract your eyes outdoors. It makes the glass transparent and creates a night picture for the windows. (1) Focal glow. This kind of illumination may be more familiar to you as the pool of light at your favorite reading chair. Think of it as a frame of light such as you see radiating from a campfire, or moving across the stage to call attention to an actor, or streaming in a window on a sunny day. (2) Ambient luminescence. This is over-all lighting. The before-the-show lighted dome and amphitheater of the Hayden Planetarium, or an art gallery (*Continued on next page*)



SCOTT HYDE

The two pictures of this Sands Point, Long Island, house (above and left) reveal an effective lighting scheme. In the close-up view of the living room (left) you can see three basic elements in house lighting. (1) Floor lamp and hanging lamp provide pools of light for armchair and sofa reading. This is called focal glow. (2) Ceiling spotlights spread soft, general light over fireplace wall and rug, which in turn reflect light toward ceiling. This is ambient luminescence. (3) Candlelight in two sources adds pinpoint facets of light and play of brilliants. House designed by Henry Hebbeln and William Diederich.

GOOD LIGHTING, *continued*

HYDE



Lights are recessed in soffit supporting the curtains.



Intensity of light can be controlled by dimmer dial.

Spotlighted curtains glow softly, make room luminescent

Translucent curtains with spotlights behind them (see detail of installation above, right) create luminous surroundings in this apartment in New York. Such softly-diffused, indirect light enlivens the whole room, unifies stark blank windows. Dimmer control allows for coziness or elegance. Floor and table lamps give focal glow.

with strip-lighted walls, translucent ceiling, and a white floor are samples. So is the uninterrupted light of a snowy morning in open country or twilight haze on a river where shore, water, and sky are indistinguishable. It is known to us as indirect light. (3) Play of brilliants. A lighted cabinet of crystal glass, the pin-point light of many candle flames, illustrate play of brilliants. It is Times Square at night, a city scene from a night plane, the trees outside your windows picked out by spotlights.

How can such variety of light be applied to a house? By judicious and artful intermixing and control of the three distinct elements of lighting. Portable lamps, for instance, make focal glow. They are the furniture of lighting by which you read, sew, or write, and they are movable and adaptable to individual needs. A very large translucent lamp shade can provide a pool of soft reading light as well as a glowing (*Continued on page 204*)



The rock crystals of this antique candelabrum are at their best when they sparkle like jewels. This is done by lighting them with ingeniously placed, small-size electric bulbs.



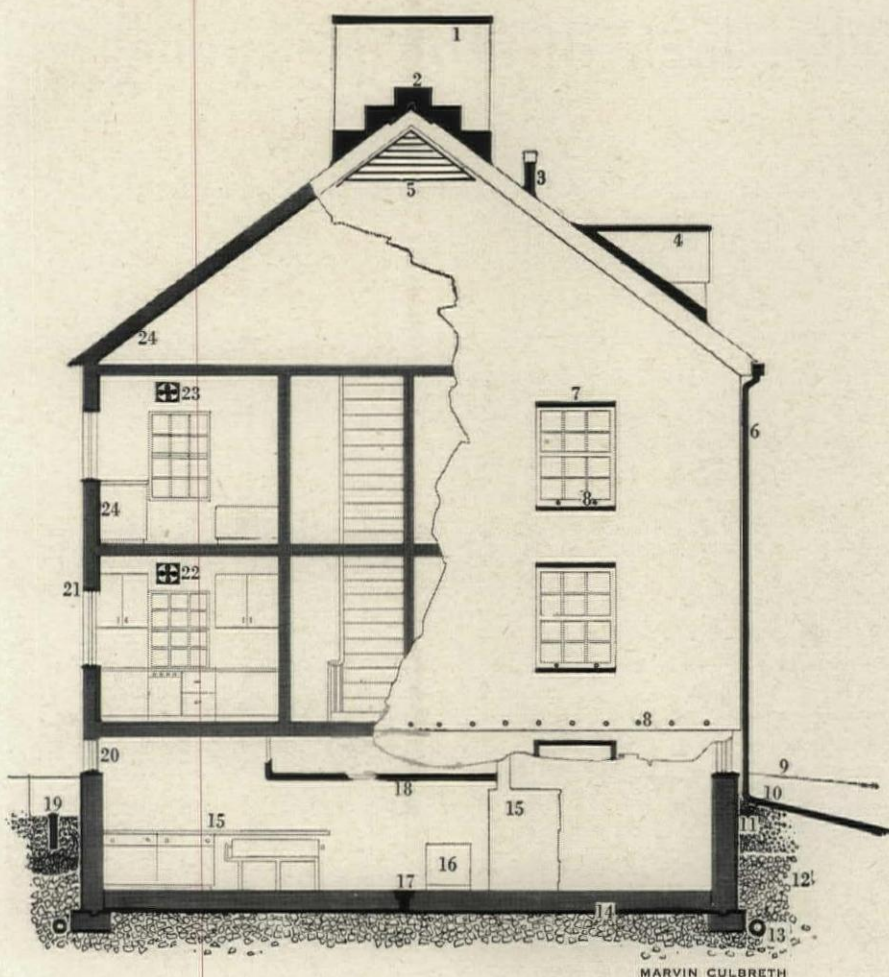
Tiny lamps, the kind used on toy electric trains, are installed like a bead molding around the edge of this dressing-table mirror. They give an even light on the face for make-up.

Moisture can be a menace in your house

Houses, like people, have individual quirks, aches, and ailments. Many of the aches and ailments which can seriously affect almost any house are the result of excessive moisture. The mildewed closet, the peeling bathroom paint, the stained wallpaper, the leaking window may seem minor maladies separately. But a glance at the diagram on this page will show you how *many* parts of the house are subject to moisture problems. The danger points extend from basement to attic and they exist *inside* the house as well as out. In whole or in part they can add up to considerable discomfort and costly deterioration.

Outside the house, rain and snow beating at walls, windows, and roof can be a cause of year-round moisture trouble. So can a poorly drained site. Cures for these conditions are listed under the illustration on this page. However, most homeowners know less about the cause and cure of moisture problems inside the house. Due to the way our houses have changed many such problems have only recently developed. Today we build more compactly, install better heating, use insulation to keep heat inside in winter, and include more bathrooms and automatic kitchen and laundry equipment. All this means that a great deal of water vapor or humid air is created and retained inside the house. Cooking, bathing, and laundry activities create it; and tightly constructed walls, roofs, and windows prevent the invisible vapor from flowing outside in winter. The result is that this warm air passes into cold exterior walls or roof and turns into water. This process is known as condensation. It is easy to understand that such moisture can be harmful to the structure of the house and to both the interior and the exterior finishes of outside walls. Walls and wallpapers can be stained, the house paint can blister from water oozing through, woodwork can be rotted, and insulating materials can be ruined. Fortunately the means of preventing such damage are available if the homeowner is aware of the problem and the ways to solve it. They are mainly (1) the use of vapor barriers, (2) of insulation, (3) proper ventilation of the house, and (4) proper control of humidity indoors.

(1) **Vapor barriers** were developed to halt the passage of water vapor from warm rooms into cold exterior walls or ceilings where it would condense into harmful moisture. They must always be used on the warm side of walls or ceilings. Asphalt impregnated building paper or an aluminum or foil paper is the customary vapor barrier. It is made in sheet form to be installed behind the plaster or wallboard of a new house. Many manufacturers today make insulating materials in which the vapor (Continued on page 224)

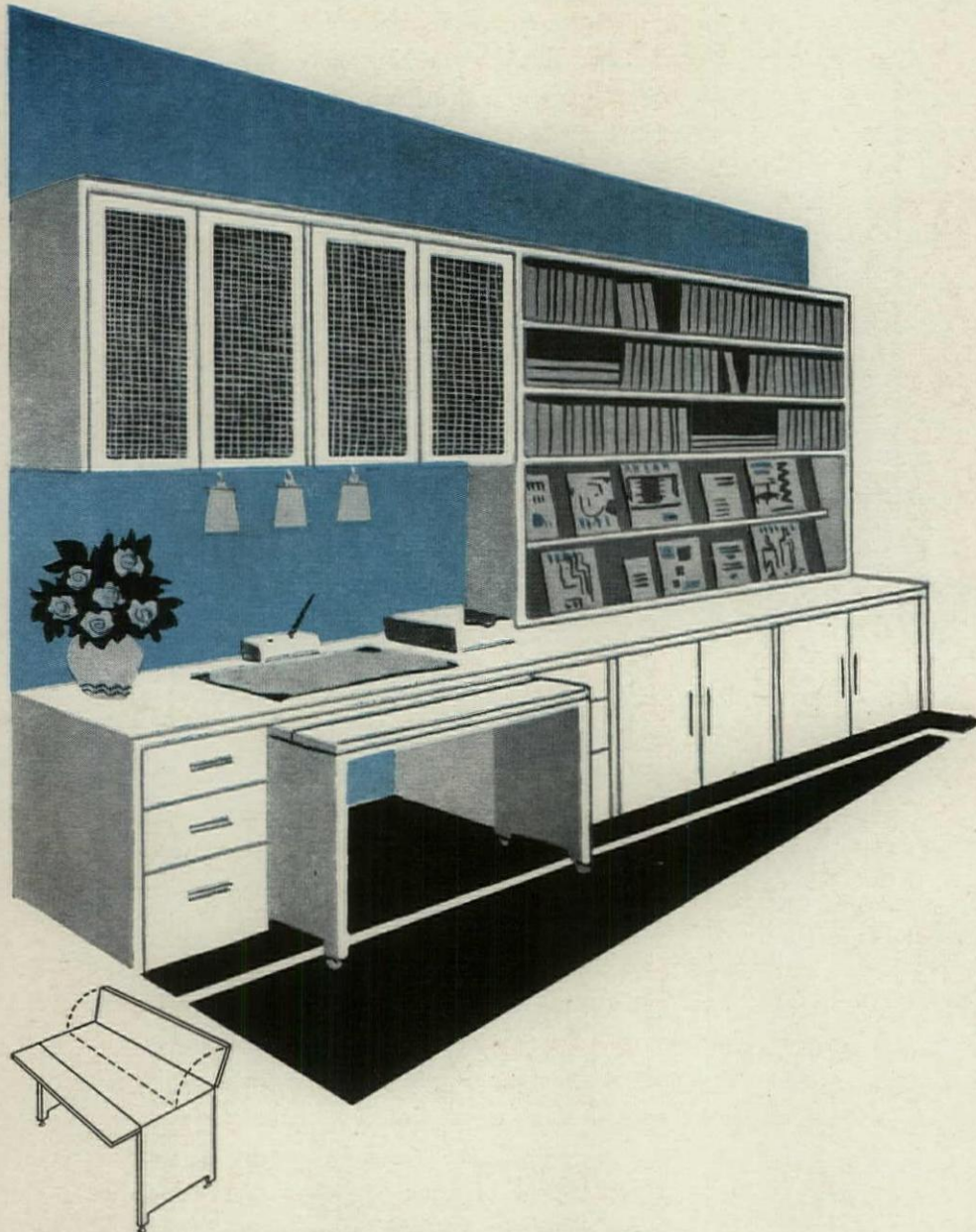


Where excess moisture may occur in your house and what to do about it

A damp basement, water condensing on the walls, a roof leak, water blisters on exterior paint are danger signals. This sketch shows where such troubles may occur and the cure for them. 1 & 2. Metal flashing (made from copper or aluminum sheets) prevents rain getting in between chimney and roof. It may also be applied to the ridge of the roof or at the chimney top. 3. Vents from plumbing pipes should be flashed as indicated by dark area on sketch. 4. The juncture of dormers and roof (and also the "valleys" where sloping roofs intersect) must be well flashed to keep rain out. 5. Unheated space above attic rooms must be ventilated. Use louvered openings (*above* ceiling insulation) in gables as shown. 6. Install adequate gutters and downspouts to carry off rain. Keep them clean of clogging leaves or dirt. 7. Tops of window frames should be flashed. 8. Use small metal louvers in walls to admit air, prevent accumulation of moisture in house framework. Louvers are also used in storm sash to provide ventilation without opening sash. 9. Slope land away from house for good drainage. 10. Connect downspouts to dry wells or drains distant from house foundation. 11. Waterproof outside of basement walls. 12. Provide broken-stone drainage around basement walls. 13. Install open drain tile around base of foundation to carry off water. 14. Membrane waterproofing (building paper covered with hot bituminous coatings) helps keep cellar floor dry. 15. Laundry drier needs vent to outdoors. So does heater. 16. Install a de-humidifier to absorb moisture. 17. Include a floor drain (or sump pump for excessively wet basement). 18. Wrap cold water pipes to avoid condensation in summer. 19. Cellar window areaways need a drain. 20. Ventilate cellar and treat wood in contact with ground with preservative. 21. Weatherstrip windows and caulk joints between windows and walls. 22 & 23. Install fans in kitchen, laundry, bathroom to remove excess humidity created by cooking, bathing, washing. 24. Install a moisture-resisting vapor barrier on the heated, inside surface of exterior walls and on the sloping ceiling and around all the dormers of heated attic rooms.

Homeowner's headache: lack of storage space

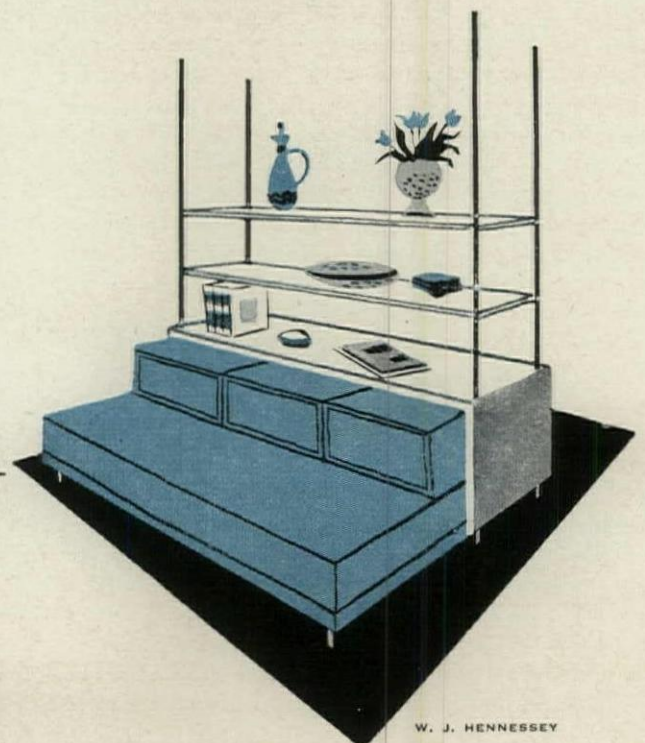
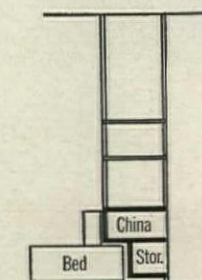
Here, to start you off, are eight ways to cope with the problem



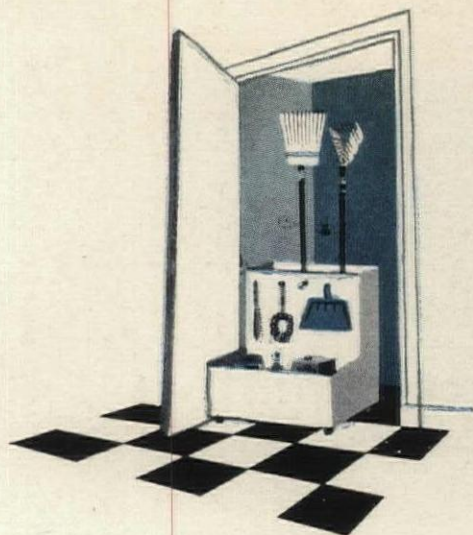
Johnny's bike, a stock of canned goods, a full dinner service, the terrace furniture, all have one thing in common. They must be stowed somewhere. The shrinking size of new houses and the vanishing attic have enormously increased the problem of where to put things. In planning storage, there is of course no substitute for actual space. Ideally, at least 10% of your house interior should be given over to it. But efficiently-planned cabinets and closets, which are precisely dimensioned for what they are to hold—clothing or dishes or cleaning equipment, etc.—give you more usefulness in less space. And if they are located at the point of use they will also be far more convenient. On these two pages you will find eight suggestions for built-in storage units. They are not only space- and time-savers; they are decorative additions to any house.

Living-dining room storage serves as furniture, can be adapted to available wall space. It includes: drawers for games, cards, household accounts, under a 30"-high countertop desk; a pull-out dining table (see detail sketch); 24"-deep cupboards with trays for linen, silver, compartments for platters, bulky silver; 12"-deep, 54"-high shelves for books; cane-door wall cabinets for china.

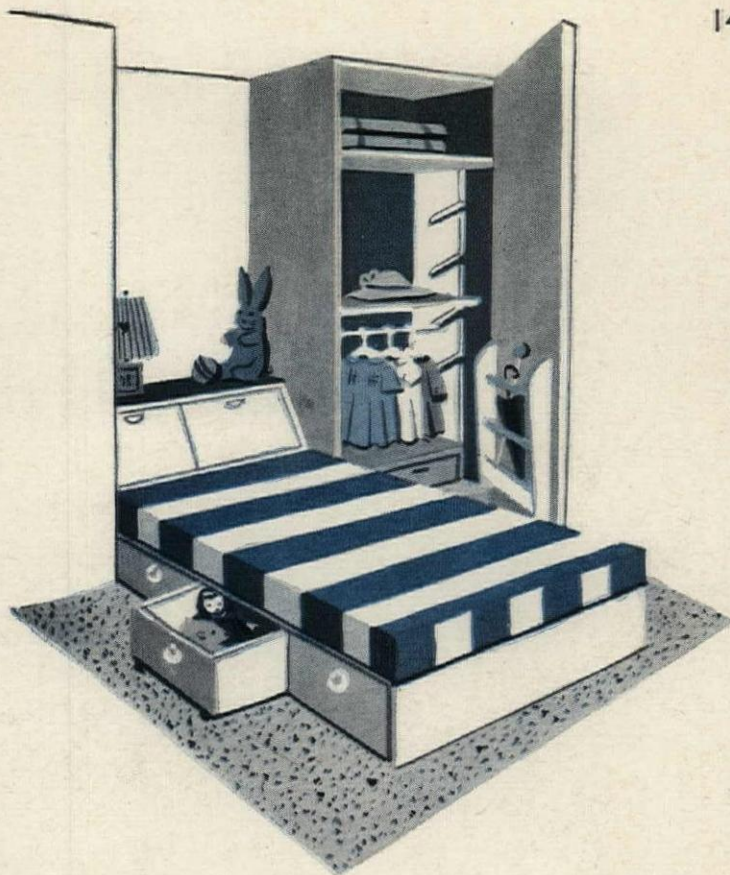
Room divider between living room and study (or dining room). Open shelves are accessible from two sides. A sofa-bed is partly recessed in cabinet for comfortable sitting as shown in cross section, right. It pulls out in room for sleeping. Study (or dining room) side of 6' 6"-long, 18"-deep cabinet has shelves for storage.



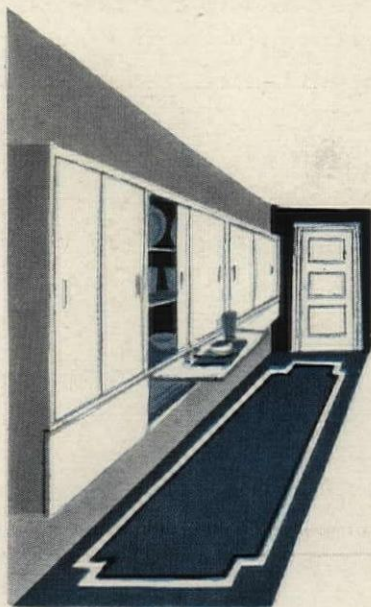
W. J. HENNESSEY



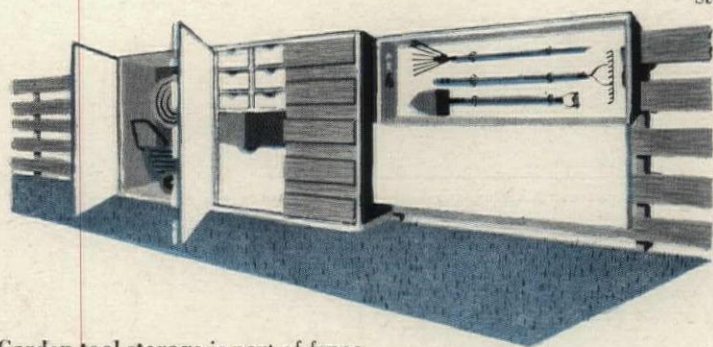
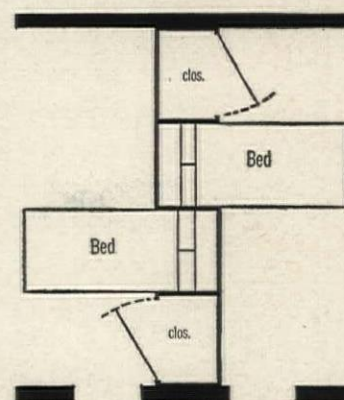
Portable cleaning closet, on casters. Unit is 36" long, 30" deep, is stored in kitchen or hall closet. Wheeled out for use, it saves footwork. It holds brushes, brooms, mops, vacuum cleaner, parts, cleansers, etc. Build it of plywood, then enamel.



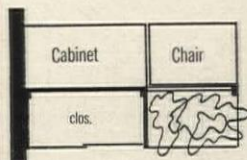
Hall cabinets, only 8" deep, 4' high, are hung on wall. They give extra storage for glasses, china, hobbies or a bar. Lower cupboard doors swing up to act as work or bar counter and have hinged brackets to support them. These counters could have plastic tops, should be 30" high.



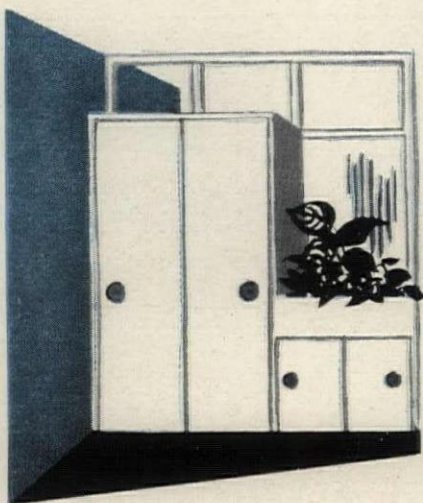
Closet-partition can turn one over-sized bedroom into two more useful ones. (See plan at right.) Closets, 8'-high, are plywood; dividing wall is wallboard on studs. Jog of wall creates alcove for beds in two rooms, space for 2'-deep closets. Drawers under bed hold bedding or toys, headboards conceal storage. The closets have adjustable shelves.



Garden tool storage is part of fence. Deep section is for power lawn mower, hose; 24"-deep center section for seed trays, humus bins. Shallow space is stenciled to hold rakes, spade, trowels against wall.



Hall partition provides coat closet, cupboard for rubbers, plant shelf. It forms screen to shield living room from front door. Built of 2" x 4" studs with frosted glass over plant shelf; 4'-wide, 2'-deep closet and cupboards are of stock plywood.



Living-room storage unit on reverse side of partition shown in sketch at left. Record player or radio, record storage and speaker are housed here in cabinet, 4' wide 2' high, of plywood or hardboard. Top has easy-upkeep plastic surface. Partition creates wall space for chair.

Modern heating is the key to greater comfort

Today's heating equipment can do more than keep you warm.

It takes a minimum of space and practically runs itself;

it can give you a cleaner, healthier, more comfortable house

What has been happening to houses has also been happening to the heating equipment in them. It has been getting smaller. But it has been getting better. Since new houses abandoned the basement and spread out in one story, in closer relation to outdoors, heating has undergone a metamorphosis. Boilers and furnaces, pipes and ducts had to diminish and accommodate themselves to less space. How compact and efficient they have become is illustrated on the opposite page.

The popularity of glass walls and open-plan interiors puts solid wall space at a premium today; so the old-fashioned upright radiator is disappearing. Floors, ceilings, baseboards, or inconspicuous built-in wall units have become heating sources for rooms. Some are sketched on page 147. The new practice of stretching the house out in wings, instead of centering it around a chimney, also presented problems in distributing and controlling heat. These problems have been solved in ways that provide far more convenience and work automatically to do your heating chores for you. See the equipment on page 206.

But the best achievement of modern heating is the new standard of comfort it is bringing about. Comfort, in house heating particularly, has many aspects. In the past it was largely calculated by the temperature of the air alone. But that isn't all you need to be comfortable. Far from it. You need floors, walls, and ceilings around you that won't chill you. You need air that is fresh, instead of dry, stuffy, and dusty. You need an indoor climate equally free of the stifling hot air that gives you headaches and the drafts that give you colds. The mere provision of heat won't accomplish this. Comfort in your house really depends on several closely related factors: (1) control of air temperature, (2) control of the temperature of surfaces around you such as walls, ceilings, floors, (3) control of air circulation and of humidity,

(the latter is needed so air in house isn't too dry).

To satisfy all these requirements is a large order, but it is the goal of good house heating practice today. In working out such plans, architects and heating engineers are designing the insulation and ventilation of the house in close conjunction with heating. Both, of course, are vitally related to it. Summer cooling is also an increasingly important element in houses in many parts of the country. Here is a list of questions and answers that summarize some of the problems connected with today's house heating methods:

Q. What does a house heating system consist of?

A. Generally it consists of (1) the fuel burner, (2) furnace or boiler, (3) ducts or pipes for circulating heat, (4) room units where the heat is distributed, (5) controls to operate the equipment.

Q. How do house heating systems operate?

A. The *furnace* warms the air which rises through ducts to the rooms in the house. This is called a warm-air system. The *boiler* heats water which circulates through pipes to the rooms. This is called a hot-water system. The *warm air* is released in the rooms through wall or floor registers. The *hot water* warms convectors, radiators, baseboard panels, or floor or ceiling coils. Both the warm air and hot water cool and return to the furnace or boiler to be heated and circulated again through the systems. The *controls* automatically turn the fuel burner on or off, operate other mechanical parts of the system.

Q. What is air conditioning? What is radiant heating?

A. *Air conditioning* functions as a forced warm-air system, and it can cool the house as well as warm it. It does

the following things: heats air in winter, cools it in summer, circulates and cleans air by filtering it year-round, takes moisture out of air in summer and adds it in winter. Year-round air conditioning for the whole house using a hot-water heating system has also been introduced recently. *Radiant heating* can be a form of hot-water or warm-air heating. The coils or pipes of a radiant heat panel may be laid in floor or ceiling and are heated by hot water circulating through them. Warm air may also be circulated through a series of ducts or an enclosed floor or ceiling panel to provide radiant heat.

Q. What is forced warm air?

A. It is heated air circulated through the ductwork of a warm-air heating system by a blower fan. The fan, running continuously, insures a steady supply of warm air and more evenly-balanced temperatures.

Q. I have heard the expression "wet heat" as opposed to warm-air heating. What is it?

A. Heating by hot water which is distributed from a boiler to radiators, convectors, baseboards, radiant heating panels constitutes *wet heat*.

Q. If the ordinary radiators and floor or ceiling panels are each heated by hot water, what is different about radiant heating?

A. In radiant heating the whole surface of a floor or ceiling panel becomes a large radiator. It warms the room surfaces to a low temperature without heating the air perceptibly. The result is there are no cold walls or floors to chill and draw heat from you. Air temperature is low which means the room is less drafty, less dry and stuffy. The old-fashioned radiator had a comparatively small heating surface, and it heated the air around it creating dusty, drafty air currents.

Q. What circulates water through a hot-water system?

A. To insure heated water passing to radiant heating coils, radiators, or baseboard heating units, a circulating pump is connected to the boiler. Run by electricity, it is thermostatically controlled so heat supply can be turned on or off as weather changes dictate.

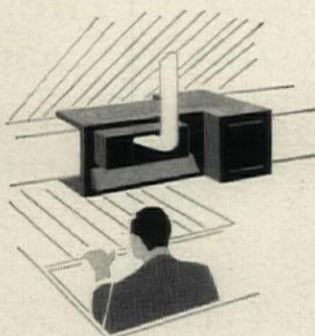
Q. Does baseboard heating give radiant heat?

A. Yes. Baseboard units are placed along the outer walls of rooms and under windows and their metal casing gives radiant warmth to floors and walls where a room is coolest. They resemble the usual wood baseboard but

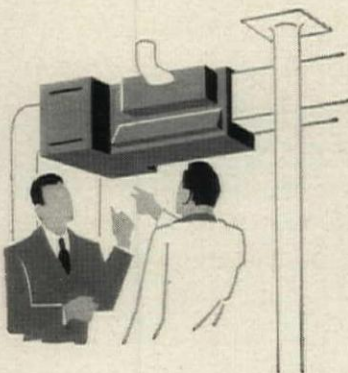
(Continued on page 206)



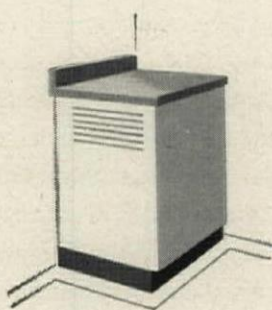
New heaters save space wasted by old-fashioned cellar furnaces or boilers



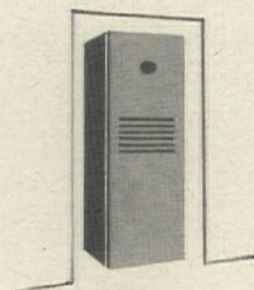
An attic furnace or boiler won't take up space for living. New, compact horizontal units for warm-air heating take little room, can heat small or medium-size houses. Small ducts to distribute the warmth are easily concealed.



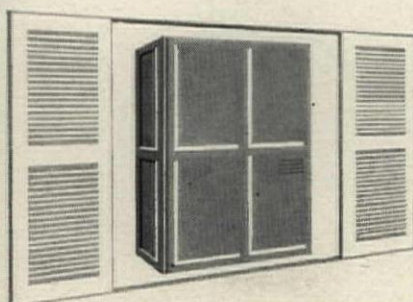
A basement furnace can be hung horizontally under first-floor joists to let you use basement floor space for a game room or storage. In a basement-less house, install heater in crawl space under the house; ducts warm floors.



A kitchen corner is sufficient space for this boiler which heats a small house and furnishes the hot-water supply too. It provides an extra countertop and matches standard kitchen fixtures. It requires a chimney flue connection.



A closet can accommodate the boiler to heat a whole house. Neat, clean, and efficient, such units can be installed in the kitchen or garage, can be shut from sight by closing the door. They are made in sizes for large or small houses.



Year-round air conditioner can be housed in a small utility room behind sliding doors. It will heat your house in winter, cool it in summer, clean and circulate the air at all times. It dries dampness, adds moisture to dry air.

WALTER HORTENS

Insulation's extra dividends

Good insulation cuts down fuel bills, resists moisture and fire, makes your home a healthier, pleasanter place to live in

Despite the fact that insulation has become a common household term, it's surprising that one out of five new houses being built today are completely uninsulated. In this respect we lag far behind the Eskimo who, generations ago, discovered the value of tiny trapped air cells as barriers against heat and cold and has, ever since, built 100% of his igloo of frozen snow-flake blocks. Certainly, our own choice of materials is wider and their life-span more extensive. Comes a long hot spell and the Eskimo loses not only his insulation but his home as well!

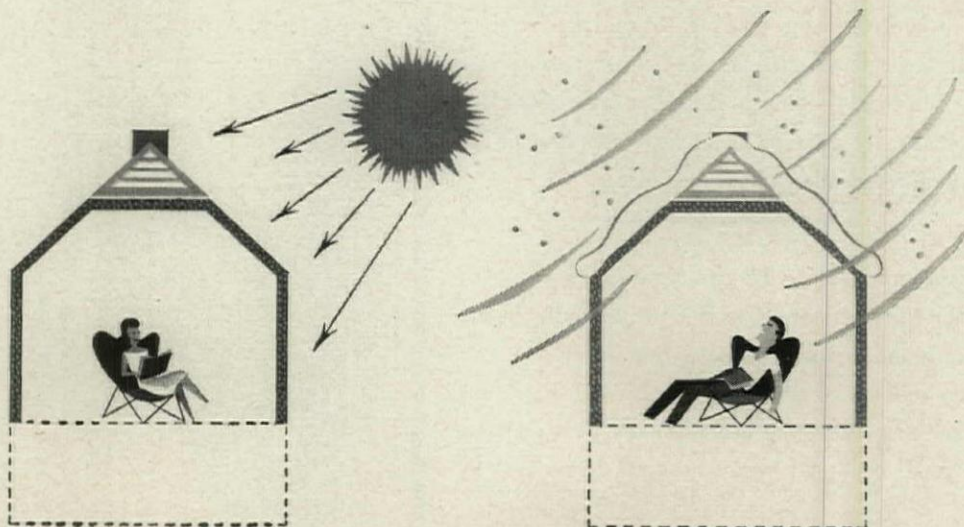
Why, then, such reluctance to accept this all-important means to better, more comfortable living? Perhaps, for the new home builder, beset by rising labor and material costs, it seems an economy to forego insulating. If such is the case, he is ignorant of the many extra benefits to be derived from a good insulation job. Often the owner of an old house looks upon the installing of insulation as so much fuss and bother and not worth the effort. But no matter what the reason, each owner is depriving himself and his family not only of a safer, more permanent home but of savings that insulation alone can bring.

A prime benefit of insulation is that it saves money for you.

A house properly insulated requires a much smaller heating plant. When installed in an older house, it guarantees the present equipment a longer life since less effort and fuel are required to gain maximum efficiency. Figures show that 10 pounds of coal are lost through every square foot of uninsulated outside wall space during 180 days of cold weather. This compares with $\frac{3}{4}$ gallon of oil, 150 cubic feet of gas, and 22 kilowatts of electricity. When we consider the number of square feet in the four outside walls of an average house, such losses are sad to contemplate. By merely insulating outside walls and attic (or second-floor ceiling if the attic is unheated) fuel savings may amount to as much as 40 per cent. With weatherstripping, storm, or double sash, added savings may rise to 60 per cent. The initial cost of insulation is thus quickly paid back in lower fuel consumption. Add to this freedom from drafts and their subsequent doctor's bills and any thrift exercised by the omission of insulation seems not only a false economy, but downright foolish.

Most insulation materials used to fill walls today are either fireproof or fire-resistant, a factor that will mean greater safety for the family. Hollow walls, unless provided with fire stops, act as flues through which flames can race un-

A house, properly insulated, is snug all winter, cool during hot summer days. Fuel savings may run as high as 40 per cent.



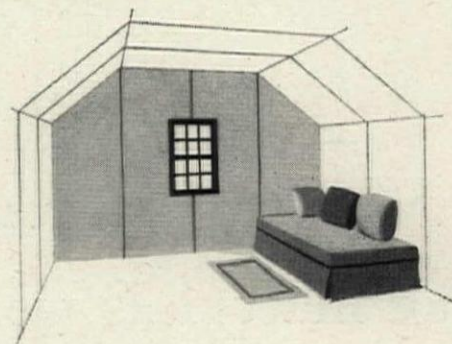
checked. Insulation of the walls retards the spreading of a fire and so allows time to extinguish it before too much damage is done.

All air contains moisture in the form of water vapor to a greater or lesser degree. Like all gases, water vapor flows from an area of greater pressure to an area of lower pressure. In winter it will go right through your walls to areas of lower pressure outside if no vapor barrier is provided. Such water in the outside walls of a house can only spell danger ahead. Settling in the wood, it may well spread the fungi which cause timber rot. The decay of wood is a biological process caused by the breaking down of wood substance by living fungi. A dry structure, therefore, is a stronger, more permanent one.

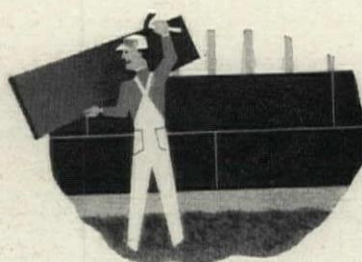
Excess humidity within a house will first show up as dew or frost on single windows; that's a warning signal that should not be ignored. Adequate ventilation is one answer. A house should be well ventilated in winter as well as summer. The other is to install "vapor barriers" in the form of aluminum or oil paints or vapor-proof papers. Many insulating materials already have a moisture-resistant paper called a "vapor barrier" on one side. Metallic insulation acts as a natural barrier, preventing moisture from entering exterior walls. In addition, both the reflective surfaces of metallic insulation and the tiny air cells of batts, blanket, and rigid insulation act as important factors in preventing drastic temperature changes within the walls themselves. This vapor barrier is always placed facing the warm side of a wall and should be carefully installed without tears or openings.

Today's insulating sheathing not only is an improved substitute for old-fashioned diagonal siding but is easier to apply. In addition to strengthening the frame of a building it offers insulating qualities which reduce the amount of insulation required between the outside studs and roof framing. Easy installation cuts down on man-hours, an important economy in these days of stratospheric building and labor costs. Many of these insulating sheathings are composed of strong wood or vegetable fibers bonded together with special bituminous compounds to render them weather-resistant. The bitumen is not just a surface covering but actually becomes an integral bond between the fibers, making cut edges just as weather-resistant as factory-finished edges.

Many insulating boards today are available in a number of attractive tile and plank shapes. As such they can be used not only for their insulating and acoustical properties but also as interior finish in a room. They are especially useful in attic rooms or basement playrooms. Their surfaces are easy to maintain; a regular dusting with a soft cloth will do the trick, but they also can be painted to satisfy any individual decorative scheme. *Continued on page 222.*



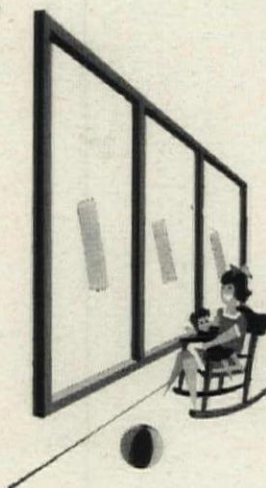
Decorative insulating tile, planks, or panels used as interior finish are economical, easy to maintain.



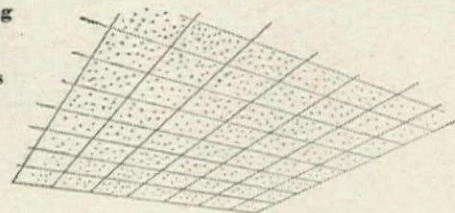
Use rigid insulation for exterior wall and roof sheathing.



Easy-to-apply, rigid insulating lath substitutes for old-fashioned wood or wire types.



Double-layer insulating glass may be used in large sizes. It keeps rooms comfortable all year long.



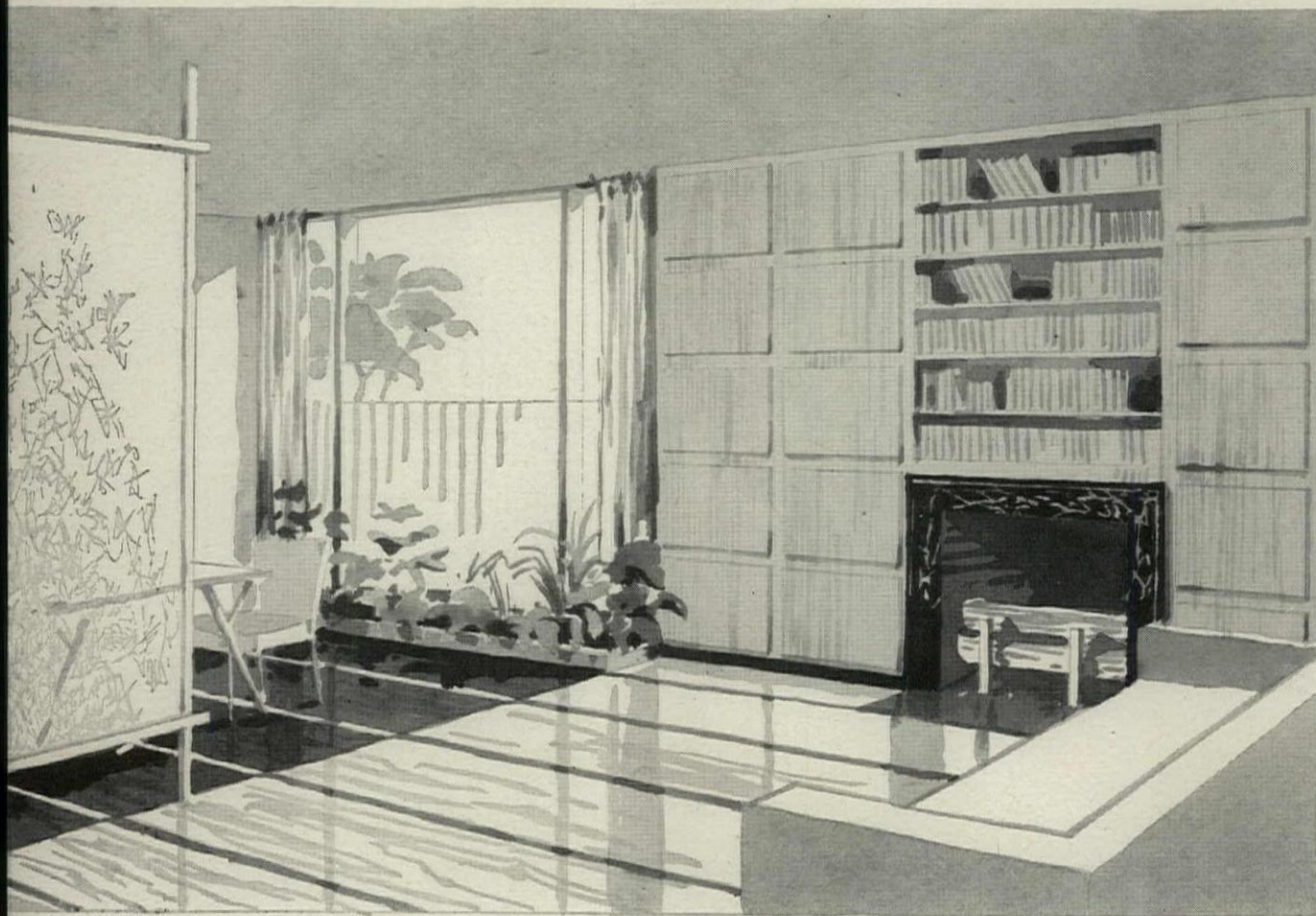
Acoustical insulating tile and plaster deaden and absorb noise within house.



TOM DAVENPORT

New, easy-to-maintain building materials wear better, reduce work

Whether you realize it or not, the sole aim of building material manufacturers today is to produce a house that just about takes care of itself. Never before has there been such an abundance of easy-to-maintain new interior finishes, beautiful to look at, resistant to hard wear, and comfortable to live with. Tried-and-true favorites are also being used in new exciting ways. Exterior brick, wood, and concrete blocks are used indoors as well as out, and are often continued through window walls to form interior partitions. Marble and tile have escaped the narrow confines of hearth or terrace to join wood and resilient materials on our floors. Everywhere there's a continued use of large glass areas, often with double glass that insulates and is heat-resistant for greater comfort. Wallboards and plywoods offer a new variety of patterns and textures, are easy to install and maintain, and are resistant to the toughest abuse. Plastics that cut housework to the bone find increasing acceptance in kitchen, laundry, and nursery. Why not become acquainted with these new helpmates which now can be yours? Here are some of the many worthwhile varieties available.



*Use good mixers from both
the past and the present to gain an
attractive dual-purpose room*

Lightweight divider for semi-privacy in living-dining room

Something old, something new have been blended to give this combination living-dining room a definite contemporary air. On the floor, the strong horizontal pattern of plastic tile or linoleum continues, color reversed, into the marble of the dining area. For privacy without loss of light, you can use the soft opalescence of a sliding Fiberglas screen. Rectangular panels of plywood, on the fireplace wall, frame built-in bookcases above the mantel. A view of surrounding gardens can be seen through floor-to-ceiling window opposite the dining area.



Marble dining floor



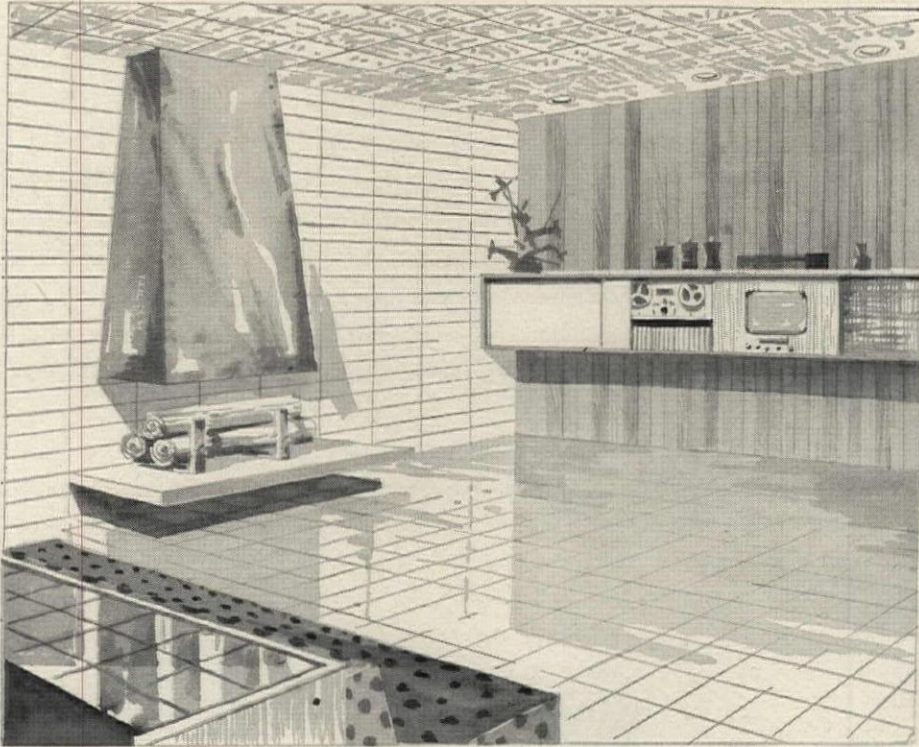
Plywood panels on walls



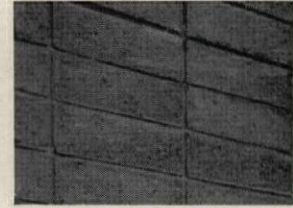
Linoleum strips on floor



Fiberglas divider screen



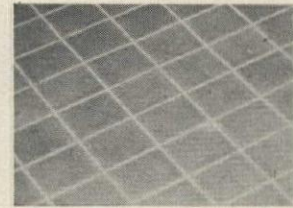
Familiar materials, used in a new way, are ideal for a recreation room



Concrete block fireplace



Redwood strips on wall



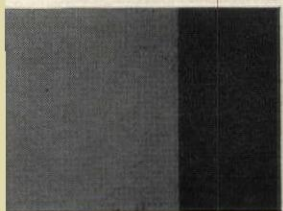
Clay tile floor



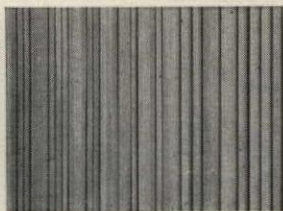
Acoustical tile ceiling

The fireplace wall of this recreation room is of concrete block, laid horizontally with clean vertical joints. As a focal point, we've placed an enormous copper hood which seems to float above the raised stone hearth. Against the flush, vertical boards of one wall, there's a long cabinet with sliding plastic and pandanus-cloth doors to house a tape recorder, television set, and radio-phonograph. Clay tile in terra-cotta tones offers firm resistance to wear and tear on the floor. Acoustical ceiling tiles absorb the noise.

An extra room can be gained without adding a single square inch to your present house



Wallboard ceilings



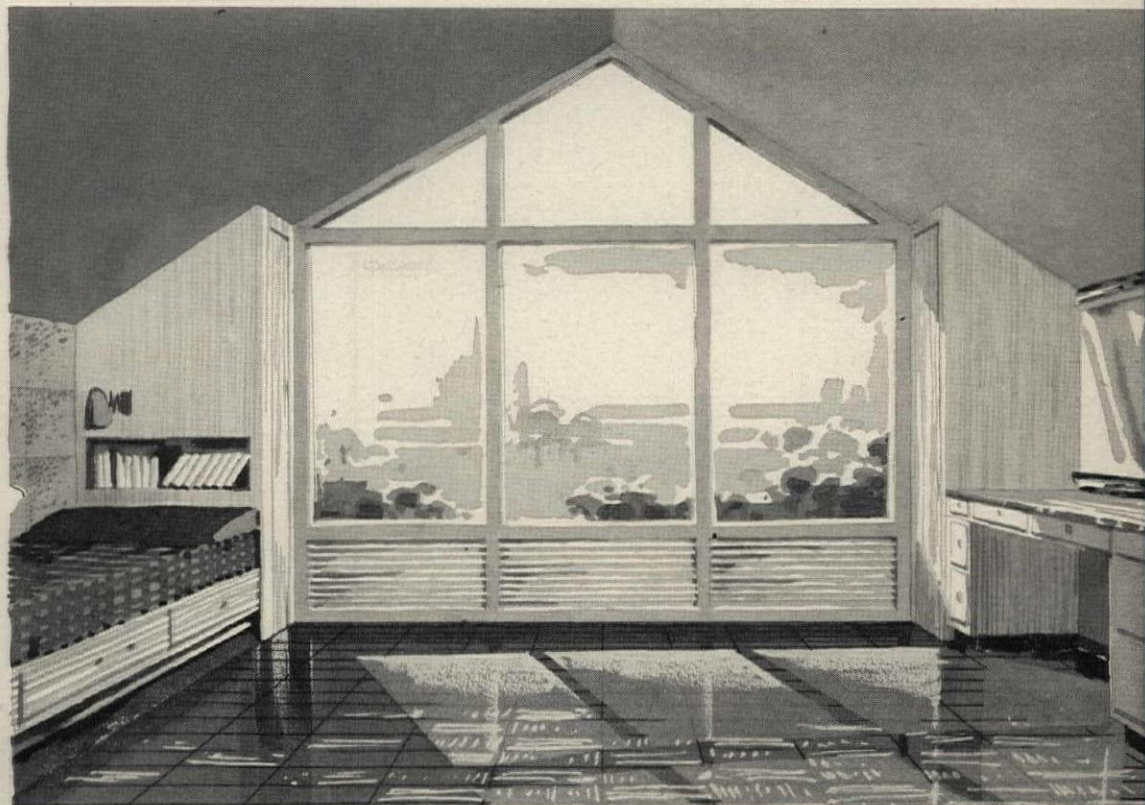
Textured plywood closets



Cork pinup board



Resilient tile floor



Glass gables bring light and spaciousness to attic room

MARVIN CULBRETH

Why put up with a hot, dingy attic when a few simple tricks will transform it into a bright, cheerful room? Open up the gable ends with large areas of fixed glass. Insulated and tinted heat-resistant glass offers the most comfort and can be ventilated with screened louvers, set low enough to provide a view of the countryside even when you are seated. Textured plywood is used for closet walls and doors. For color and easy maintenance the dressing table top is plastic. Plywood sheets, 18' long, cover the sloping ceilings; the floors are of resilient tile.

How to help your house to run itself

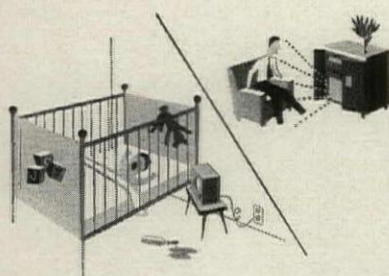
*See that it is equipped with the new time-, effort-,
and disposition-savers like these*



Automatic curtain pull makes push-button job of drawing floor-to-ceiling curtains across a whole window-wall. It runs by an electric motor in a small plug-in box which controls traverse cords and keeps curtains on the track. You merely flip a switch to open or close curtains.



Rotary snowplow clears a 2' path by motor-power instead of shoulder-power. It scoops the snow in, breaks it up, and tosses it to either side; you merely walk along behind it. Has $\frac{1}{2}$ H. P. electric motor, 100' cord, plugs into outdoor wall outlet.



Electronic baby-sitter broadcasts nursery disturbances on any unoccupied frequency on your radio. You can hear sounds within a radius of 300'. Put it next to the crib, and go about your affairs; if your child needs you, you'll hear about it. Very useful in any nursery.



Delayed-action light switch keeps light on for about a minute, then automatically turns it off. It lets you get safely up the stairs, off the porch, or into bed before the light goes out. Is quickly and easily installed in any existing wall outlet in an old house or in one being built.

TOM DAVENPORT

There are countless paragons of household virtue, male and female, who say that their basements are never damp, storage space is no problem at all, snow-shoveling is mere child's play. They cheerfully report that their houses really look after themselves. The secret of their success is perfectly simple—there is no magic involved, nor is a naturally sunny disposition a prerequisite. They have sensibly planned and equipped houses. For example, they may have screens of the self-storing variety rather than those which require a major upheaval every spring and fall; key-in-lock doorknobs which can be opened with one hand while the other is holding packages. Your own house can be just as easy to run if you make use of today's ingenious products. Look over the ones shown here and on page 225. They will save you time, money, and effort and will make easy work of running your house.



One-piece plastic countertop comes in five colors, makes cleaning up the kitchen a "one wipe and it's done" affair. There are no seams, no metal trim, no crevices in which food can lodge. Front edge is slightly raised, so spilled liquids won't drip on floor. Also used with built-in lavatories.



Dressing table-lavatory combines kitchen efficiency with glamour. On the countertop there is plenty of space to spread out shaving and beauty gadgets. Below there are well-organized drawers and cupboards, a built-in laundry hamper.



Electric air drier does away with mildew, wet floors, etc., caused by excessive moisture. It works automatically, collects as much as 3 gallons of water every 24 hours. Can make the difference between a damp and dreary basement, and one useful as playroom or workshop.



Key-in-knob-action doorknob is a necessary convenience when one arm is loaded with packages: you can insert key and turn knob with one hand. It is easily installed, simple and good-looking, and includes a deadbolt for greater protection.

Additional sketches page 225



GRIGSBY

This high-fidelity equipment adds up to a radio-phonograph. Unlike the usual set, these units can be placed in any cabinet or wall

How to tell a tweeter from a woofer

High-fidelity equipment is the answer for music lovers who want good listening

High-fidelity music systems differ from the familiar radio-phonograph set in that you buy the basic components: the amplifier, tuner, record changer, and speaker separately and install them or have them installed in cabinets of your own choice. Thanks to superior performance of this equipment, and its decorative flexibility, interest in it has more than doubled in the past year or so; and your chances of becoming a "hi-fi" fan, if you are not already one, are increasing proportionately. Should you decide to buy a high-fidelity system, and talk to more than one enthusiast about it, you are apt to get a number of contradictory opinions. Even professionals differ on several points. It is not extraordinarily difficult to buy the parts of a good system, and even to assemble them yourself. However, once you start investigating the subject you will come up against a quantity of technical data, which, if you are not electronically versed, may easily confuse you. To let you know what to expect, and also to help you keep things clear, we have assembled the best available advice and, where there are some particularly controversial points, have tried to give you both sides of the argument.

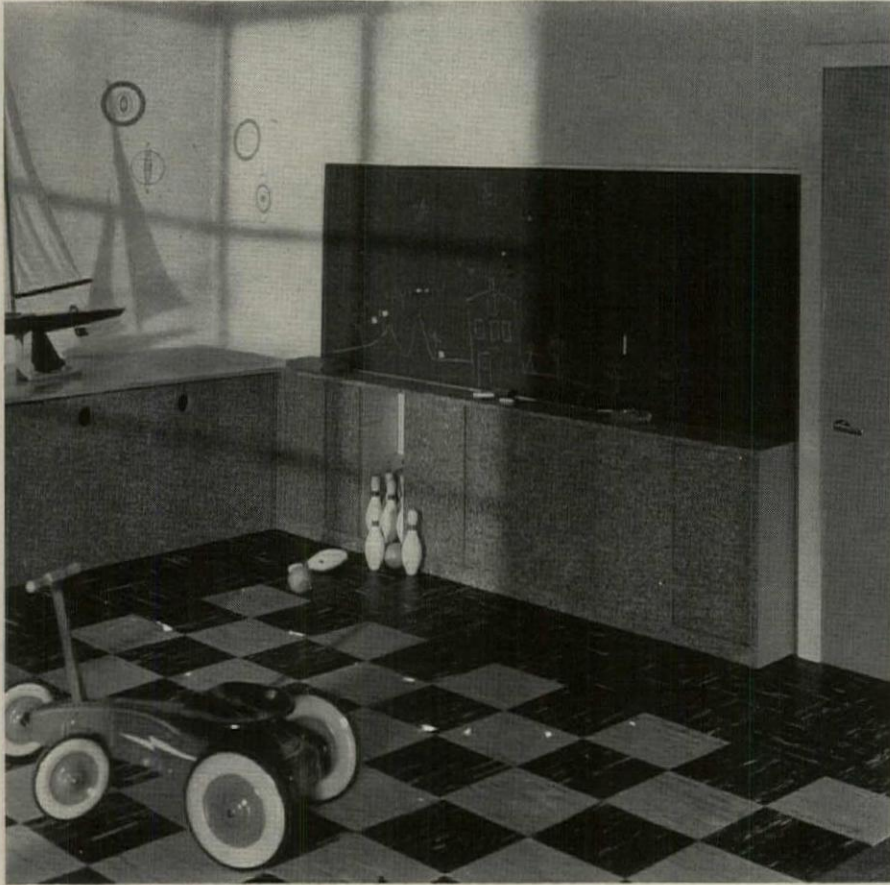
While "hi-fi" is surrounded by a maze of technicalities rarely understood by the layman, there are a few simple facts which make it less electronically elusive. To begin, any type of sound causes a

movement in the air. A musical sound—in common with other sounds—has pitch, which is measured in so many vibrations, or cycles, per second. The higher the pitch, the greater the number of cycles. The sound of the tympani hits the ear at around 30 to 200 cycles, while the piercing piccolo's cycles are in the 500-5,000 range.

Pitch alone does not necessarily indicate that a sound is a musical one. There are two other qualities which are of equal importance in giving a tone its musical value—timbre and intensity. Timbre is the characteristic which gives sound its color—which enables the listener to recognize the various instruments. To understand timbre one must realize that most sounding bodies—such as a violin string—vibrate not only as a whole, but in various segments as well. The vibration of these segments produces the harmonics, or overtones, which give a sound its individuality. Without timbre there would be no characteristic difference in tones of identical pitch whether played on a trumpet, a violin, or a clarinet.

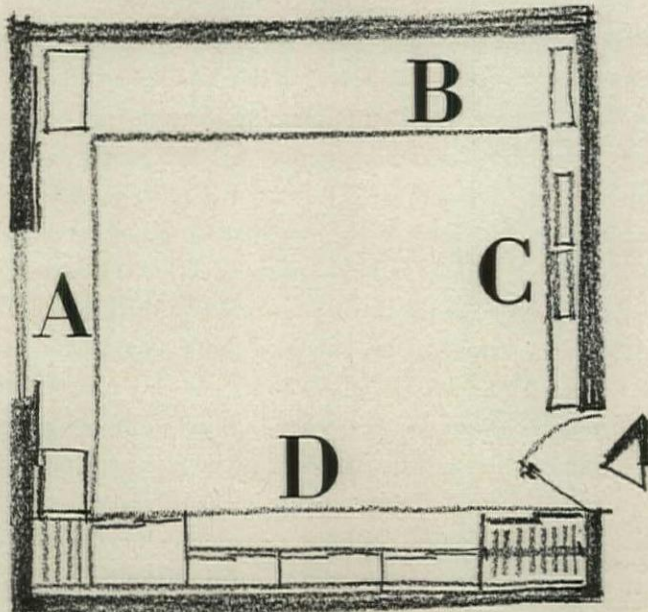
Today's records give off up to 15,000 cycles. There is considerable argument here as to whether the new LP's or the old 78's are better in this respect. While some experts feel that the LP's are definitely better, there is no technical reason why a 78 rpm record cannot equal the musical quality of an LP in every way. In fact, many of them do. The LP's do have one (Continued on page 228)

A children's stackaway room you can build yourself



Your children can play mammoth checkers on the yellow-and-black rubber tile flooring. The tricycle cannot harm the composition-board doors.

W. J. HENNESSEY, DESIGNER



A. Toy bins under window; sliding panels replace curtains. B. Twin beds on casters roll under countertop. C. Magnetic chalkboard above, cabinets below. D. Clothes closet, built-in desk, bookshelves. Details on page 226.

**You can turn any room
into a playroom with
these flexible units,
practical materials**

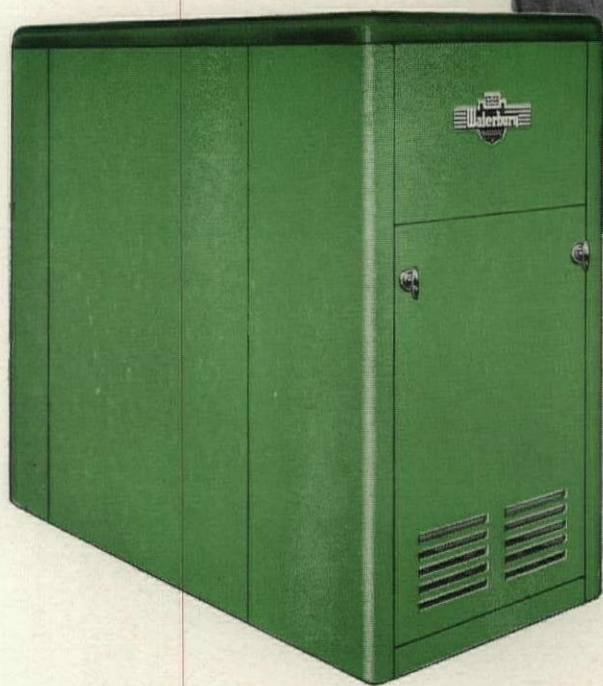
The minute children learn to walk, their need for plenty of play space becomes apparent. The Stackaway Room gives them just this and a great deal more. It provides places to keep all the toys, clothes, games, and furniture that children need and want. Most important of all, everything can be whisked out of sight when the need arises. The secret: each wall is planned specifically for a different activity. Placed against the walls are closets for clothes and drawing materials. When the beds are not in use, they slide under the play counters; blocks and other toys go into sliding bins which disappear in the same way. Finger-grip holes instead of hardware make all the units easy for a child to move. The materials used for this room make it as soundproof as a playroom can be, and everything is so sturdy that children can be turned loose without any worry on your part. There is enough in it to keep two youngsters occupied from the time they get up until bedtime. You can assemble the Stackaway Room yourself, even install the countertops. Write to HOUSE & GARDEN'S Reader Service for directions and floor plans. (For one child, adapt the plan to half as much space by eliminating one bed and one closet.) Since these convenient stackaway units need not necessarily be built-in, you can put them up in a rented apartment, take them out later if you build or buy. *Continued on page 226*

Waterbury

Warm air heating

AND AIR CONDITIONING

... There's a Waterbury unit for every size home, and for every type of fuel.



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Waterbury Heating for your Modern Living

Relax in the luxurious warmth and comfort of a Waterbury heated home. Waterbury furnaces and air conditioners create a delightful indoor climate . . . a climate that's automatically controlled for your convenience . . . with air that's filtered and humidified for your living comfort.

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Dependable water supply. Without water household activities come to a halt. To be sure of a dependable water supply system use the services of an established Myers dealer. Myers Pumps are known to be of excellent quality and Myers dealers are experienced pump men who give prompt service. They also carry spare parts for emergencies.



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with hard water



Hard water headaches. Water softeners can save \$100 a year or more on soap, plumbing, clothing. Greatest savings are realized from a Myers Water Softener when it's connected to both hot and cold lines. Be sure your softener is connected to both lines to insure benefits and savings.

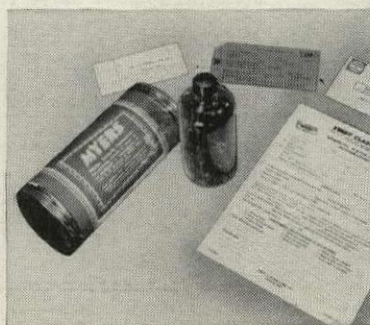
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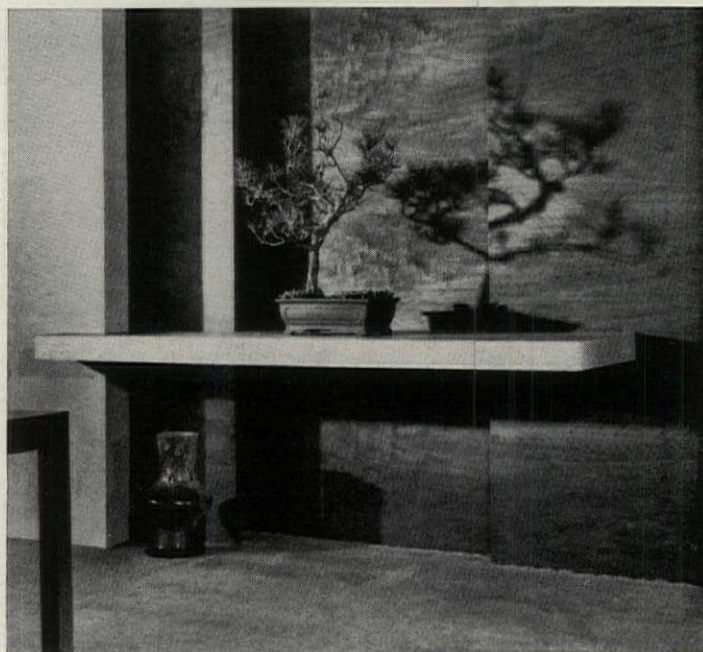


An Advertisement of The F. E. Myers & Bro. Co., Ashland, Ohio.

HOUSE NO. 7, continued from page 49



The owners' bedroom also serves as a secluded sitting room. Sofa and chair flank the fireplace. The adjustable vertical louvers near the door of the room add both light and air. Two terraces adjoin this room.



A cantilevered slab forms a striking shelf in one corner of the dining room. Wall behind it is wood panel, wall to the left of white cork-tile. Lighting concealed at the side dramatizes the dwarf Japanese tree.

SHULMAN



Dining room is glass-walled on three sides, looks out over the tree-tops in front and a secluded garden in back. Its ceiling is divided into slab-like rectangles covered with stretched, painted linen set in frames.

The most wanted features in all windows combined exclusively in

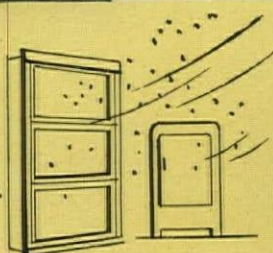
LUDMAN
Auto-lok WOOD WINDOWS
AUTOMATIC LOCKING
PATENTED

make your own weather



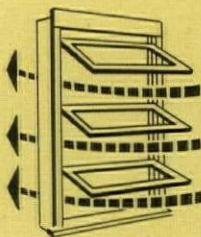
FRESH AIR WHILE IT'S RAINING

No more running to close windows...rain can't enter through slanting sash!



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Seals itself shut like your refrigerator...keeps heat in - cold out!



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Opens widest...scoops air inward and upward...luxurious ventilation, but no drafts!



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PRACTICAL BEAUTY...Narrow horizontal lines add distinction to any home. Inside and outside, they lend themselves to a wider variety of architectural arrangements.

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FRESH AIR NITE-VENT...Bottom sash opens slightly for night ventilation, while upper sash remain securely locked...fresh air circulation during bad weather, too!

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FUEL BILL SAVINGS...Miracle seal eliminates cold spots around the windows...keeps warmth *inside*, bad weather *outside*! Protects you, too, from dust and "smog" infiltration.

LOW FIRST COST...LOWER MAINTENANCE COST...cost no more than ordinary windows, yet you can't buy a better window! Friction-free Auto-Lok mechanism gives "no-wear" service for the life of your home. No adjustments ever!

NO OTHER WINDOW SO EASY...SO QUICK TO CLEAN!

Nothing to lift...no sash to remove...no gadgets to disengage! Simply open wide to cleaning angle and clean all glass from the *inside*...top sash, too.

TIGHTEST CLOSING WINDOW EVER MADE...patented self-locking Auto-Lok mechanism *plus* "floating seal" weatherstripping automatically gives you window closure many times tighter than any other window...isolates outside weather! Extra Safety-Lok doubles protection against weather and intruders.

WRITE FOR FREE BOOKLET, "WHAT IS IMPORTANT IN A WINDOW?" For more complete information see your local dealer. Ludman Corporation, Dept. HM-53, Box 4541, Miami, Florida.



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WOOD WINDOWS

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where you are

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of lifetime beauty for

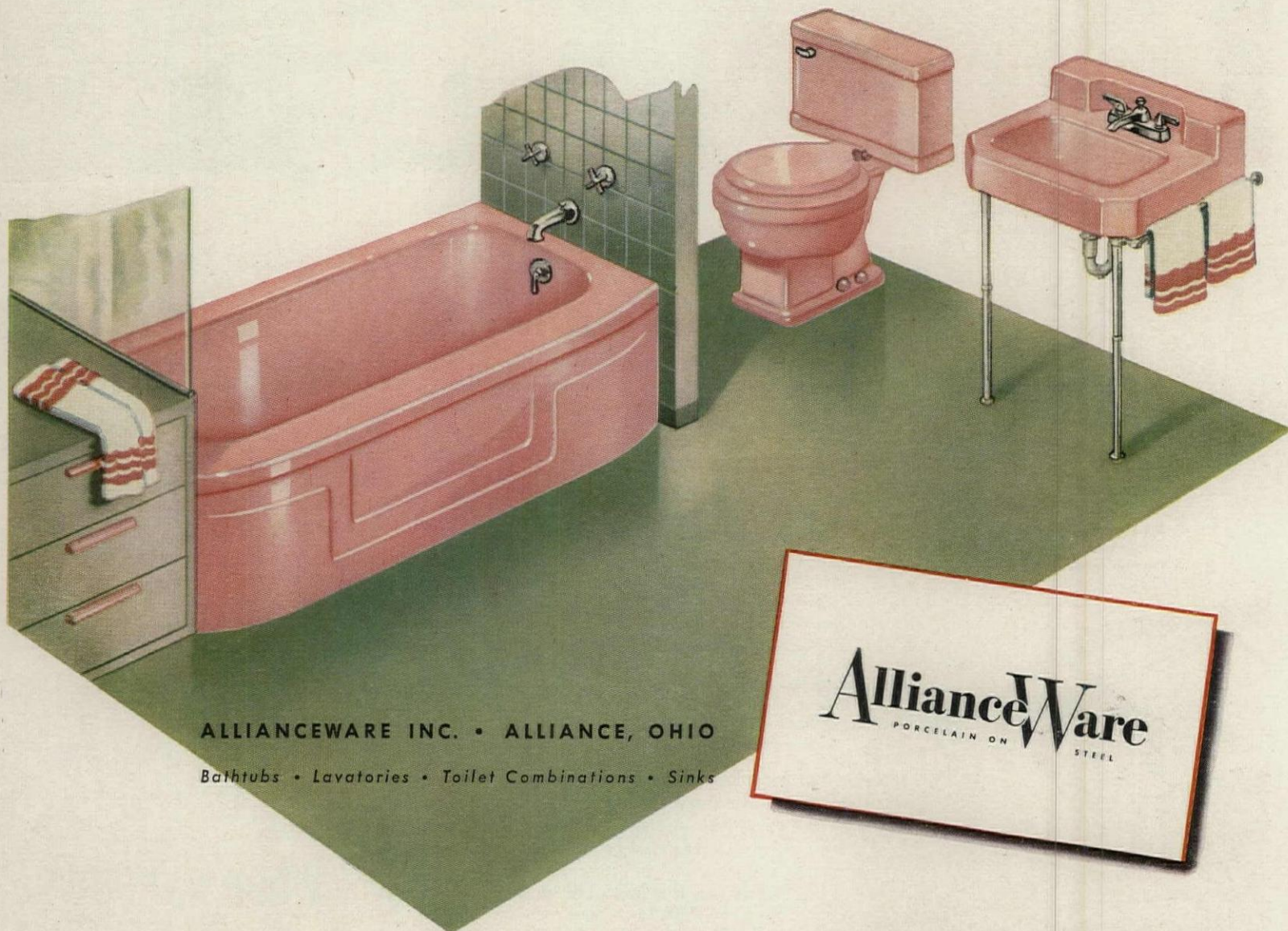
the home you intend to build

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There's no secret in having bathrooms your friends will envy—whether your home is new or old. Just tell your plumber or builder to install AllianceWare—in any one of five decorator colors—pink, blue, tan, green, grey—or if you prefer—glistening, gleaming white.

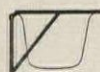
All AllianceWare is stainproof—easy to clean and to keep clean. AllianceWare bathtubs are famous for their formed metal construction that means lighter weight and a saving of critical materials. In AllianceWare lavatories you have a choice of porcelain-on-steel or vitreous china. AllianceWare toilet combinations are all vitreous china. With AllianceWare you can select matched color combinations in bathroom fixtures that give luxurious beauty at a price within reach of the most modest building budget.

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Bathtubs • Lavatories • Toilet Combinations • Sinks



Reinforced construction assures maximum strength.



AllianceWare distinctive modern design complements any bathroom styling.



Gleaming, stainproof porcelain enamel surface cleans easily.



An integral wall guard prevents water seepage.



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"When my husband and I planned our new home, we wanted to combine good looks with utility. That's why we selected G-E Textolite for our modern home. It cleans so easily, with just the swish of a damp cloth. And as for beauty—we've had *dozens* of compliments already."

You can be proud of your home—you can be sure that housework will be easier—when you plan on G-E Textolite. Use it for kitchens, handsome bathroom vanities, cabinet facings, fine furniture—wherever you want beauty plus extreme durability.

FREE! Exciting New Folder. See all the latest G-E Textolite patterns in full color! Write General Electric Co., Section 350-4E, Chemical Division, Pittsfield, Mass.



Mrs. Linus V. Darley praises G-E Textolite plastics surfacing for its beauty and durability in her lovely new home in Mount Carmel, Connecticut.



You can put your confidence in—

GENERAL  ELECTRIC

*Reg. U. S. Pat. Off.



Spacious Grace...plus modern efficiency!

The elegant charm of a less hurried century is yours, in this lovely bathroom! It's a charming room for any home—and "made to order" if you are bringing some fine old home up to date.

Gay plaid shower curtains, with matching wall-paper lend a bright touch to the warm brown and green—and sparkling Desert Tan Universal-Rundle fixtures add a luxury note. As with U/R's other exciting colors—Azure Blue, Verdant Green,

or Sunlit Ivory these fixtures are *color-matched* for perfect harmony.

That gleaming beauty will last a lifetime, too—for the fixtures' surfaces are *harder than steel*, thanks to U/R's "Hi-fired" process, which also gives a lifetime bond between fixture body and enamel. The result? Sparkling fixtures that wipe clean with a damp cloth...that resist scratches, chipping, and stains for year after year.

Ask your plumber, architect or builder about Universal-Rundle. Let him tell you how U/R made the *first* colored fixtures...the first concealed front overflow lavatory...how U/R has been a quality leader for 51 years.

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Whitest white! Yes, by actual scientific test, U/R Arctic White fixtures are whiter than any other fixtures made—for extra sparkle, extra beauty!



Lovely luxury! The beautiful Vanitee features a gleaming vitreous china lavatory, set flush in a lavish cabinet. Twelve color combinations!



Kitchen glamour! Modern Universal-Rundle cabinet sinks, wall and base cabinets turn drab, ordinary kitchens into lovely, efficient rooms!



Get this booklet! Decorating ideas you can use...full color bathrooms...plans...kitchen fixtures...Yours for just 10 cents in coin. Send for it today!

HOUSE NO. 16, continued from page 69



Plants will eventually screen the front of the house (above) from the road. A postage-stamp lawn on the other side is all there is to maintain outdoors.



In the kitchen-laundry, equipment fits within a fraction of an inch to save steps and space. You can pop a cake into the oven right from the mixing shelf, prepare and cook vegetables, wash pots at the counter under the window, find the dishes you want quickly through the glass doors.

EZRA STOLLER



Living room has a cool restful look. Terrazzo floors, used throughout the house, and the cotton carpet clean easily. Glass wall provides light and air.

How to Determine Your Best Heating Buy



INSIST ON THESE PERFORMANCE BENEFITS

Janitrol Benefits	Janitrol Winter Conditioner Features
COMPLETE COMFORT	Continuous Air Circulation, no drafts, no cold floors. Even temperatures, floor to ceiling.
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EXTRA LONG-LIFE	Either cast iron or steel heat exchangers with ribbon burners assure longevity beyond half a century.
EXTRA SAFETY	New type safety pilot, the result of 35 years engineering research devoted exclusively to gas heating.
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Install the finest of all attic stairways, the PRECISION folding attic stairway with these 5 exclusive features:
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HOUSES NO. 18 & 19, continued from page 75



House No. 18 uses a split-level plan on the middle floor, with the study on the upper level. Look-through to the study seen from the living room has a broad counter that holds a swiveling television set which can be turned to face either room. Study doubles as a guest room.

EZRA STOLLER



House No. 19 has an outdoor grill sheltered by floor above and shaded in summer, dry in rainy weather. Floor is concrete, furniture is made of heavy redwood. Freezer and storage are indoors on this same floor.



Pass-through from kitchen to dining room in House No. 19 is centered in these two-way storage cabinets. The sliding shelves hold table linen, the drawers hold silver, the slots are for trays and platters. Cabinets above open on both sides.

HOUSE NO. 21, continued from page 79

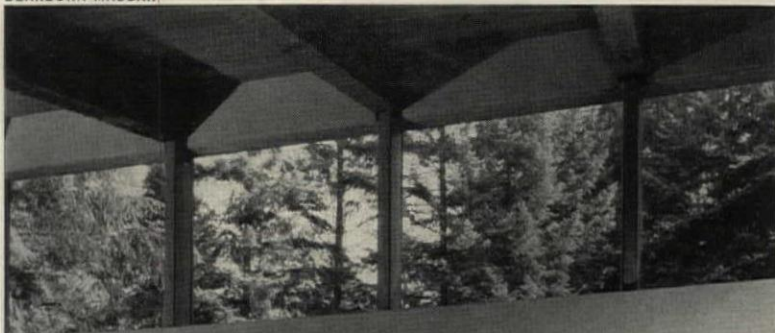


South side of the house faces the street, has a central section of its roof raised like a lid to accommodate clerestory windows. The carport is at the right.



The kitchen is separated from the living area by a shoulder-high cabinet which has bookshelves on one side, a let-down serving and breakfast table on the other.

DEARBORN-MASSAR



A partial wall, with cabinets on the kitchen side, divides the kitchen from the dining area. The dining table is pushed right up to the large window to make the most of the view. Clerestory windows above light the living room.

how to choose your windows...



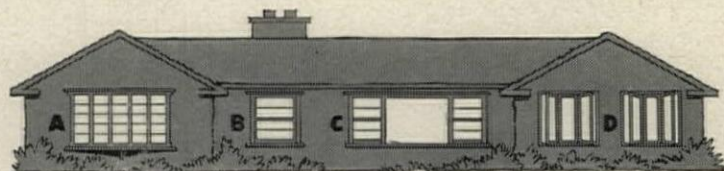
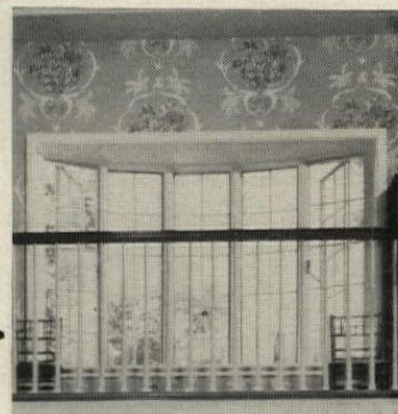
and know what you're getting

To "live happily ever after" with your windows, you need to know two things: First, that your windows will provide lifetime service. Second, how to choose the *right kinds* of windows for every room in your home. Curtis' guarantee of materials and workmanship—given by the Curtis dealer with every Silentite window installation—is your rock-ribbed assurance of window quality. And the wide variety of Curtis wood window styles enables you to make the correct choice for every purpose. For instance—



Here, Silentite windows are used in a corner arrangement—a very popular treatment. The double-hung Silentite wood windows are famous for their weather tightness, ease of operation and smart appearance. Women want ease of operation most of all. You get it in Silentite.

Silentite Casements arranged in a "bow" window were used here at the top of a stairway. The effect is striking. These fuel-saving wood casements come in several sash styles—and open and close as easily as dialing a radio.



Know Your Windows—Send for Silentite Booklet!

Do you know the special advantages of various types of windows—double hung, casements, awning, panel windows and others? There's a mine of useful information in the Curtis Silentite book. (Send for your copy if you plan to build or remodel.)



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"Accurate" equipped doors (windows, too), are fully *weather-protected* against rain, snow and stormy winds. The sure way is the "Accurate" way.



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ACCURATE METAL WEATHER STRIP CO., Inc.
219 EAST 26th STREET, NEW YORK 10, N. Y.

HOUSE NO. 33, continued from page 103



The fireplace wall in the living room turns a corner into the adjoining solarium. A trellis-and-glass skylight in the ceiling spotlights the shell-stone wall handsomely, provides enough light for a collection of plants.



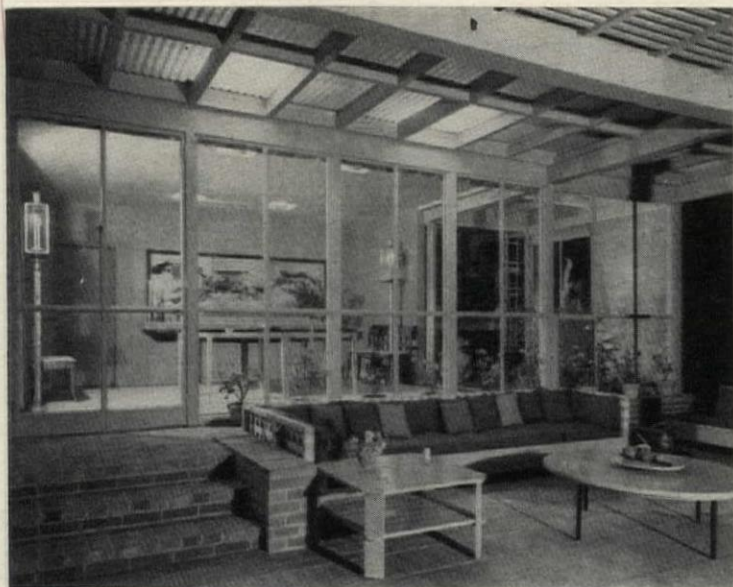
In the living room you can face the terrace or the fireplace. There are two pairs of curtains on the long window wall. One set is transparent and filters the bright Texas sunlight; the other set is heavier and metal-threaded, creates a splendid dramatic effect.

ULRIC MEISEL, PHOTO ASSOC.



The sitting room is on the same level as the terrace and opens onto it through glass doors. Effect of joining indoors and outdoors is heightened by paving this room with same putty-colored concrete brick used around the swimming pool.

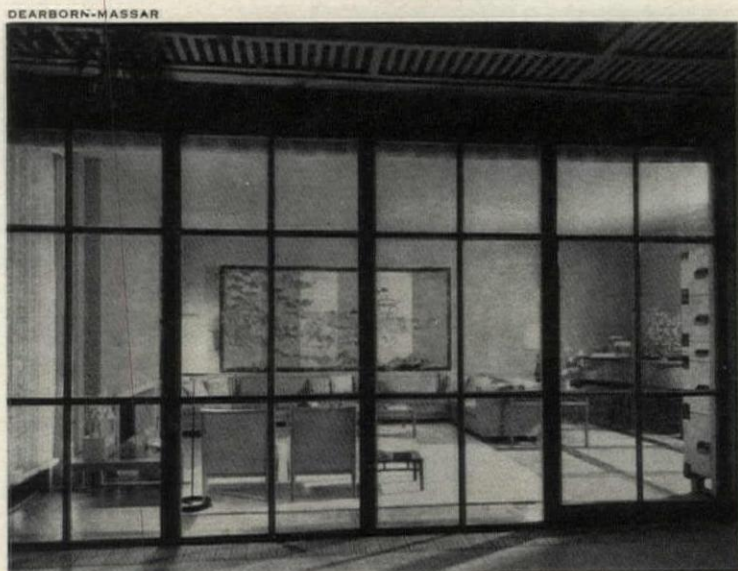
HOUSE NO. 34 continued from page 107



Indoor-outdoor living is what the family likes best about its newly remodeled house. Here you are looking from the terrace into the dining room and, at right, the greenhouse. Big sofa has deep blue upholstery, green pillows, and a wood frame painted putty-beige to match house trim.

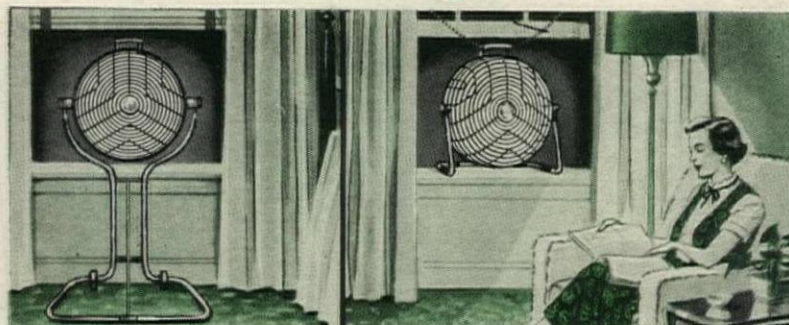


Along dining-room wall, terrace is sheltered by projecting roof of cream-colored corrugated plastic with wood framework. (See photograph on page 104.) This filters in the sunshine and light, protects furniture from rain; also it helps join house and terrace together into one big area for living.



Back wall of living room, too, is now completely open to terrace and lake view. Top and bottom pictures show the only two major structural changes made, new window-walls for dining and living rooms, and prove that an old-fashioned Colonial can be remodeled to look and live modern.

Ventilate your home 3 ways!



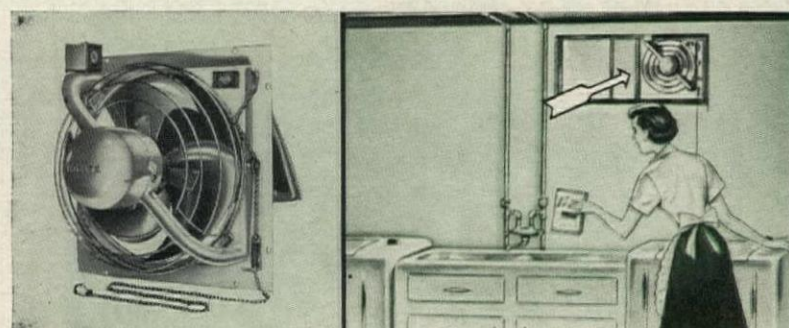
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Relax, sleep cool and feel fit all Summer long! New designs in *extra-quiet*, *extra-powerful*, portable ILG fans circulate daytime breezes, or bring in cool, refreshing nighttime air.



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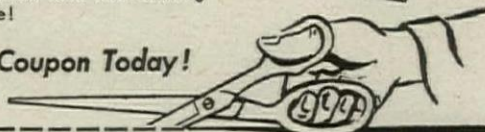
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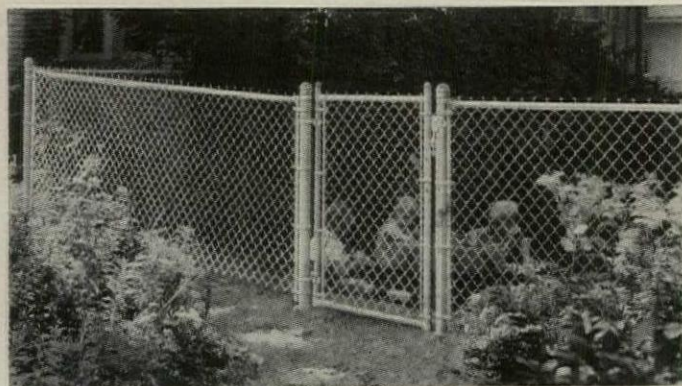
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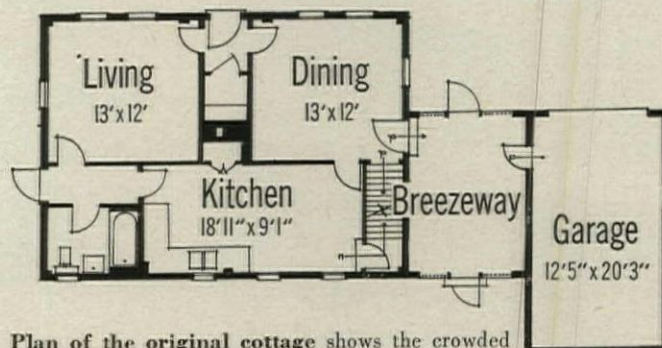
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HOUSE NO. 35, continued from page 109



Roadside view shows how the new bedroom wing (left) corresponds with the style of the original Cape Cod cottage (right), and the remodeled garage and breezeway (center), now the child's room and the playroom. New wing also carries out color scheme of the old house: barn red with white trim.



Plan of the original cottage shows the crowded first floor. The former living room is now used as the owner's study, the dining room is still used for dining. The kitchen has been improved with new equipment. Upstairs there were two bedrooms, one of which has become a new bathroom for the nurse.

MARTIN HELPER



Entrance hall has walls and raftered ceiling of pine, like the living room, a flagstone floor. Shallow step this side of balustrade leads to living room. Door in background leads to kitchen in original house. Built-in cabinets and shelves hold glass and china, are used for buffet supper parties.

HOUSE NO. 37, continued from page 113



Rear view of the new addition to this remodeled house shows the new small terrace and private entrance to first-floor guest room. New garage, built into the side of the hill, has a combination office-study above.



Guest room has French Provincial furniture, curry-colored walls, curtains and bedspreads made of old toile, and a pale, textured carpet.



In entrance hall, heirloom mahogany and old hand-blocked French wallpaper. This hall is in the old part of the house.



Architect: Roche & Roche, New York

This wall decorates TWO rooms

Twelve panes of Blue Ridge Patterned Glass—a simple wood framework—and there you are with a translucent wall that decorates two rooms. Look what it does for you:

It lets light pass from room to room—a great help to rooms that need more light. And an answer to the problem of dark halls.

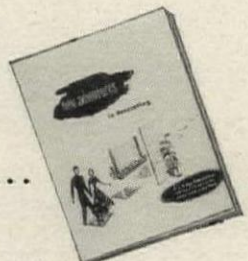
It provides privacy—the patterns diffuse the light to prevent clear vision.

And it adds a glorious touch of beauty to any home. It's the kind of "different" beauty that wins admiration. And it lasts—glass keeps its new look for good.

You can choose from many patterns of Blue Ridge Glass—linear, checkered, or over-all patterns—in plain, textured or *Satinol** finish. Your L-O-F Distributor or Dealer can show you samples. He's listed in the yellow pages of phone books in many cities. ®

BOOK OF 42 DECORATING IDEAS

"New Adventures in Decorating" shows how leading architects and decorators have used this lovely glass to add light and distinction to home interiors. Send 10c with the coupon.



Lobby-Owens-Ford Glass Company
Pattern & Wire Glass Sales
B-1333 Nicholas Building, Toledo 3, Ohio

Enclosed find 10c for my copy of "New Adventures in Decorating".

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BLUE RIDGE Patterned GLASS



Magical Response

Perfect Listening at your fingertips



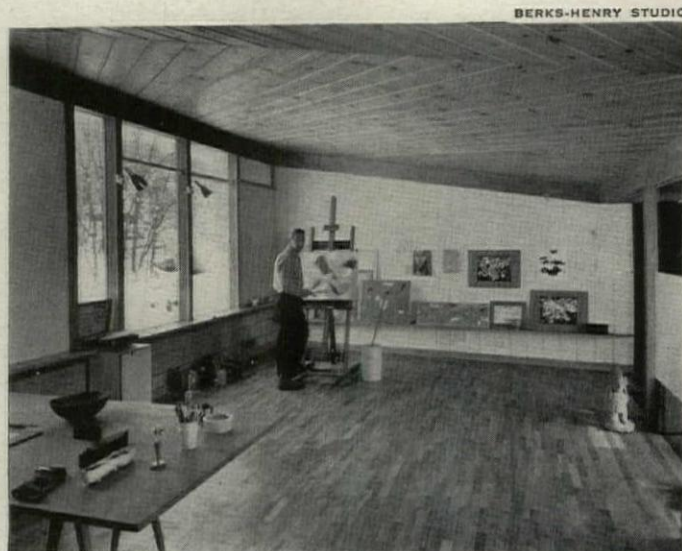
BELL Custom High Fidelity Amplifier

brings you a new sound interpretation—a new thrill in listening. True, high fidelity reproduction of life-like tone, instant selection of radio, TV, or phonograph—all controlled by you without leaving your easy chair.

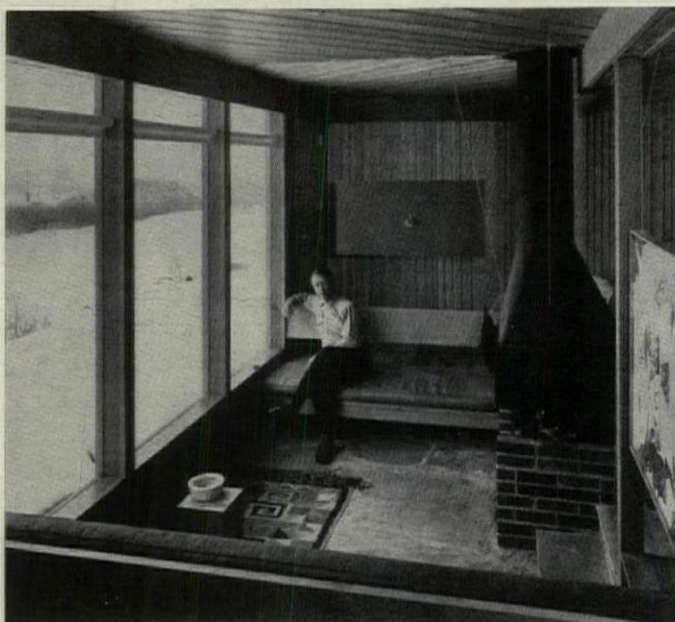
Small, attractive, remote control unit lets you switch between phono, AM-FM radio (or TV), or adjust volume and tone as you like it. Master amplifier can be tucked out of sight, 25 feet or farther from the chair-side control. Connects with any set or becomes an integral part of your own built-in music system—the latest addition to gracious living. Write today for information on Model 2145-A.



BELL SOUND SYSTEMS, INC.
550-55B Marion Rd., Columbus 7, Ohio
Specialists in Home Music System Amplifiers



Ceiling rises sharply to catch maximum north light. Its angle was worked out precisely so that light is then reflected down into artist's work area. Translucent plastic panels at windows not only slide but also turn like vertical louvers to catch the changing light.



The view from the "relaxation" area is uninterrupted, since there is no railing on the terrace outside. The floor is 2' lower than the rest of the room; this permits 7'-high windows and affords a view that includes the sky as well as the mountain peaks. Red sandstone is used for flooring.



Herringbone ceiling pattern and center beam help to demarcate "working" and "relaxation" areas. Pattern is formed by merely reversing knotty pine boards. Flat ceiling defines "relaxation" area.

MAKE A HIT
with Friends and Family



with a **HANCOCK** OUTDOOR FIREPLACE



Guests will rave over your cooking! Nothing's so delicious and mouth-watering as juicy steaks, 'burgers' or weiners cooked outdoors over a wood or charcoal fire.

Let us show you how simple it is to build with Hancock "skeleton" units and detailed plans. Ovens, spits and other accessories available. Mail 10c today for 4-page Plan Sheet—with working drawings for a variety of designs. This service assures you of having an outdoor fireplace that really works.



HANCOCK IRON WORKS

Box 13-523

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Architect: Edlo Muir, Los Angeles, California

Distinction and Economy

Cabot's Creosote Stains bring out the natural beauty of wood . . . impart a rich color which weathers well . . . protects against decay and termites! Only 1/3 the cost of good paint . . . quick and easy to apply. Ideal for shingles, siding, clapboards, all exterior woodwork.

SAMUEL CABOT INC.
612 Oliver Bldg., Boston 9, Mass.

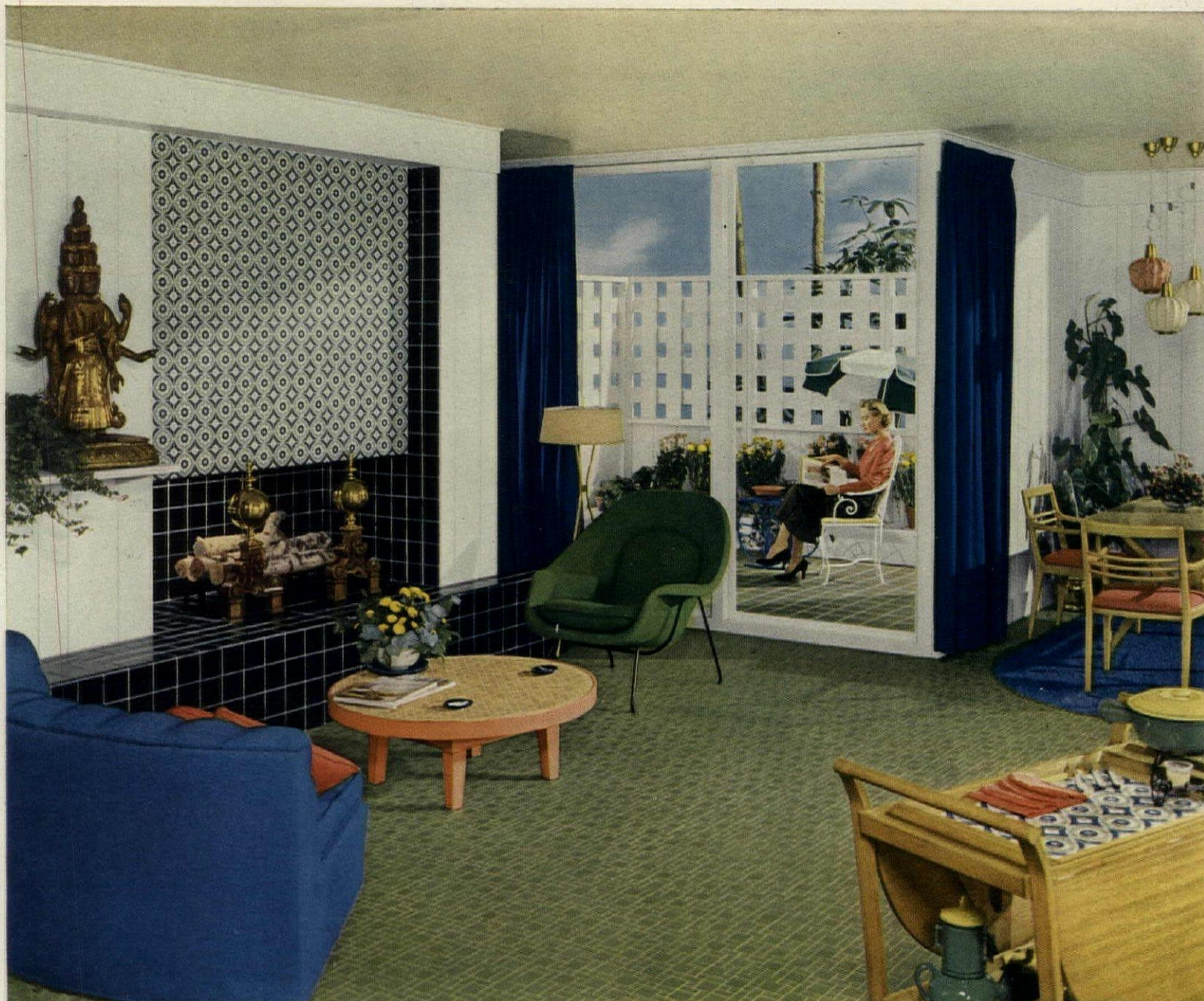
Please send me Creosote Stain Color Card showing Cabot's unique shades, many available from no other source.

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TILE makes the difference that makes the room

Wouldn't it be thrilling to have a living room as smart-looking as this? With American-Olean Tile, high style decorating is both easy and practical—in big or little homes.

Tile is better than smart. It makes sense! You *gain* so much in appearance and convenience . . . you *save* so much in cleaning and refinishing! And think of your happy freedom from waxing and polishing! Nothing hurts your A-O Tile.

And as to cost, you may be surprised to learn that the floor in this room, which looks so expensive, actually costs less than many wool carpets.

American-Olean Tile Co.

928 Kenilworth Ave., Lansdale, Pennsylvania

PRACTICAL HOME FASHIONS START WITH GLEAMING AMERICAN-OLEAN TILE

1 Tiled floor—in stylish colors that are practical only with tile. Keeps its beauty without waxing or polishing. Heavy furniture will not crush or indent it.

2 In patio, tiled pavers to stay color-bright in all kinds of weather.

3 Tiled chimney face—thrilling use of hand-decorated tiles for glamor, echoed on the server.

4 Special up-to-the-minute living room designs and colors. Lovely to live with—pleasant to walk on—easy to care for.

TILE SPECIFICATIONS: Color Plate No. 43. Walls: 99 Ebony. Panel over Fireplace: Hindu H48-C508. Server: Hindu H48-C508. Floor: Random Pattern, Dark Olive Textone. Terrace: Pavers, Dark Olive Textone. Coffee Table: Golden Range Varitone Squares.

FREE—Source list for all items shown in this A-O Living Room!

SEND 10c FOR THE "IDEA BOOK OF TILE". 12 full-color pages of ideas and color schemes for kitchens, bathrooms, and playrooms.



AMERICAN-OLEAN TILE COMPANY
928 Kenilworth Ave., Lansdale, Pa.

- ☐ Please send source list for Living Room, Plate 43.
- ☐ Please send me a copy of your new "IDEA BOOK OF TILE". Ten cents in coin is enclosed.
- ☐ Please send the address of my local American-Olean Tile dealer.

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Address _____

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"My dear, you
have everything
but the
kitchen sink!"



"But look-
here is the
kitchen sink!"

Yes, the one and only

ELKAY
Lustertone

Stainless Steel Sink

—the only sink guaranteed to outlast your home!

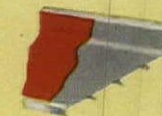
Place a Lustertone Sink in that empty space above and you have a perfect kitchen partner . . . one that will be your helpmate for *the life of your home!* The enduring loveliness of stainless steel is more than skin-deep—its silvery beauty goes clear through, lasts forever, and never cracks or chips away. Happy owners cherish Lustertone because it's their one possession that looks better with age—one that requires no upkeep or repair. You, too, will find a Lustertone sink has a *carefree cleanliness* all its own—rinses bright and clean and never, never needs scouring or bleaching. Best of all are the new, low prices. Recent production innovations bring the cost of this luxury within the reach of every homemaker.

NOW YOU CAN BUY FAMOUS LUSTERTONE 3 WAYS:

Write today for complete details on 50 stock "Size-to-Suit" sinks ranging from 39 to 144 inches; economical Modular Method; Custom-built convenience for any plan.

NEW AND COLORFUL

For the first time, ELKAY offers beauty bonded FORMICA sink and cabinet tops custom-made to your measurements on a factory guaranteed basis. Combines beautifully with stock size LUSTERTONE cabinet sinks or sink bowls for continuous work surface plans. Ask your kitchen dealer about ELKAY'S DURATONE tops made of colorful FORMICA.



New Elkay process permanently bonds Formica to the all-steel core which is reinforced and rustproofed on the underside.

No seam or joint where top meets back-splash. Edges are protected by beautiful stainless steel moldings and one-piece end caps.



WRITE FOR LITERATURE AND PRICES

ELKAY MANUFACTURING COMPANY • 1884 SOUTH 54th AVENUE • CHICAGO 50

The World's Oldest and Largest Manufacturer of Stainless Steel Sinks.

For cool summer living



Shade your home with **Canvas**

Indoors or out, there's nothing more welcome on a hot, sunny day than the cool, restful shade of CANVAS. In the summer breeze, Canvas Awnings all but whisper coolness and comfort . . . and to the beauty of your home, they add a distinctive touch of charm and hospitality. Thanks to the flexibility of Canvas Awnings, they can be raised or lowered to meet changing summer weather conditions or removed in winter to let in available sunlight and warmth. Canvas Awnings also reduce the capacity requirements of air-conditioning units, saving you money on operating expense. See your local awning dealer for a wide selection of colors, patterns, and awning designs.



Protection for Your Furnishings

Canvas Awnings protect your furnishings from burning sun rays . . . protect interiors, too, against sudden blowing rains while permitting ventilation.



Increased Area for Outdoor Living

Patios and terraces, shaded by Canvas, give you added space for entertaining, for outdoor eating, for warm weather relaxation.



Comfort on Summer's Hottest Days

Canvas Awnings intercept sun rays before they enter your home . . . keep your rooms degrees cooler.



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P. O. BOX 1851 MEMPHIS 1, TENN.

STOP early morning "traffic jams"

...with an inexpensive

GERBER

2nd bathroom!



see your

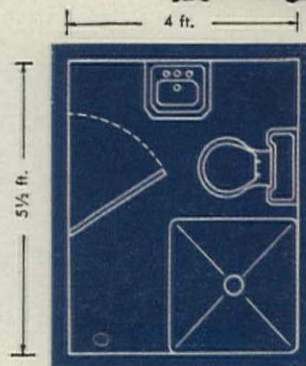
GERBER

PLUMBING SPECIALIST

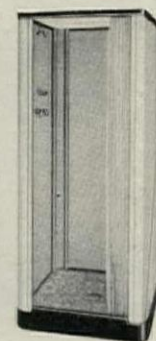
and turn "WASTE-SPACE" into a MODERN 2ND BATHROOM

If you are denying yourself the satisfaction and luxury of a modern 2nd bathroom, here's good news! Gleaming, lovely Gerber fixtures can take surprisingly little space. And the "Gerber Guild of Plumbing Specialists" is at your service with a host of welcome planning ideas. No other improvement can add so much to the pleasure of gracious, unhurried living, nor contribute so much—at so little cost—to the value of your property. Don't delay; get the facts today! If you don't know your nearest Gerber Guild member, a post card will bring you his name.

The PLUMBER who displays this Quality Seal merits your patronage and confidence. It's a reliable guide, whatever your need, to craftsmanship and confidence.



See how little space you need for a Gerber 2nd Bathroom... a coat closet, under-stairs or gable area, or any other convenient location is sufficient. The wide choice of Gerber fixtures and arrangements works wonders in small footage.



Rust-proof Gerber Shower Cabinet; interlocking panels, white enamel with black trim. Includes chrome shower head, soap dish. Non-slip, leak-proof Rostone ceramic base and plastic curtain with pins.



Gerber "Hayes" ultra modern ledge back lavatory with anti-splash apron. Finest stain-proof vitreous china complete with mixing faucet and pop-up drain.



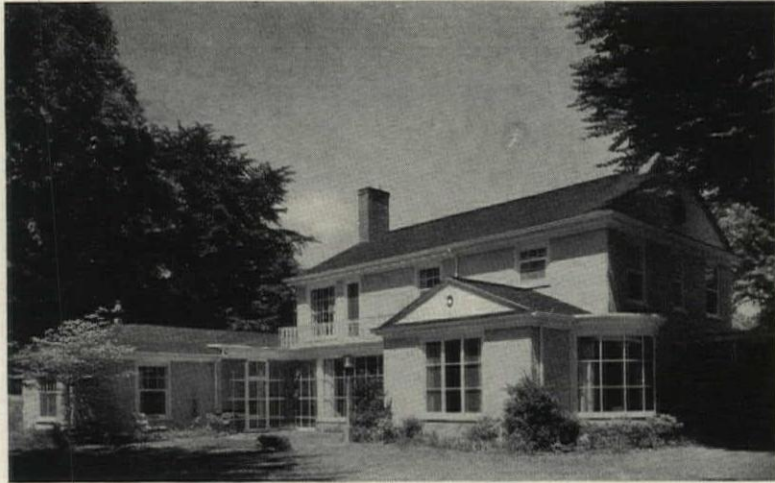
Gerber Mt. Vernon reverse trap unit closet. Finest stain-proof vitreous china. Positive flushing action.

GERBER

PLUMBING FIXTURES, 232 N. CLARK STREET, CHICAGO 1, ILL.

FACTORIES: KOKOMO, INDIANA • DELPHI, INDIANA • WEST DELPHI, INDIANA • PLYMOUTH, INDIANA
WOODBRIDGE, NEW JERSEY • GADSDEN, ALABAMA

HOUSE NO. 4, continued from page 41



Back of house shows extensive use of large paned windows

TOM LEONARD

A pass-through to the pantry is concealed in the living room's double-duty library storage wall, custom-built of 18th-century English paneling. Two sets of hinged doors let you close it from either side; open, it is a mixing and serving bar. Low drawers and cabinets hold games, cards, and the liquor supply.



Dark pine paneling from English illustrator Hogarth's house gives living room character; window wall and pale green ceiling give light and contrast. A hatch, leading outside, admits a miniature poodle.

Continued on page 172

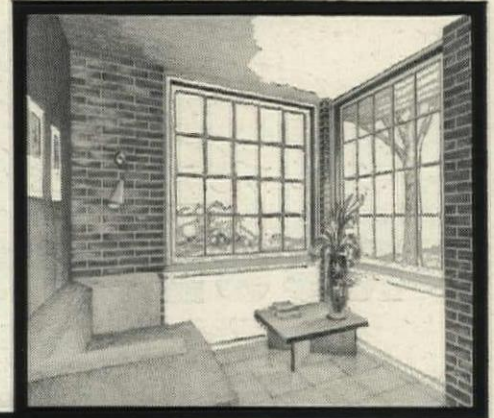


LEAVE THEM OPEN in the rain—nary a drop will get inside when you have awning windows of Ponderosa Pine. They're quickly adjustable to any angle. Smooth grained Ponderosa Pine takes any finish readily.

New Ways To Work Wonders With Windows!

NEED ANOTHER ROOM?

Then "steal" it from a porch by using Ponderosa Pine fixed-sash windows like this. Ponderosa Pine windows come in a variety of stock-design sizes to fit your needs.



HERE'S A NEW space-saving angle—enlarge a small room with an "angular" bay of Ponderosa Pine casements. Windows such as these are available preservative, water-repellent treated at the factory.

IDEAS • IDEAS • IDEAS
In these Inspiring Booklets

Ponderosa Pine
WOODWORK



Ponderosa Pine Woodwork, Dept. VHG-B-3
38 South Dearborn Street, Chicago 3, Illinois

☐ Please send me your fully illustrated window idea booklet. I enclose 10 cents.

☐ Please send me your 24 page book on Ponderosa Pine Decorator Doors. I enclose 25 cents.

Name.....

Address.....

City.....State.....

*Now—
from the same tank—*



*180° water
for automatic
clothes washer
and dishwasher*

130° water

*for bathroom,
lavatories, all other needs—
with the new exclusive*



RUUD-MONEL*
duo temp
Laundrymaster
automatic Gas water heater

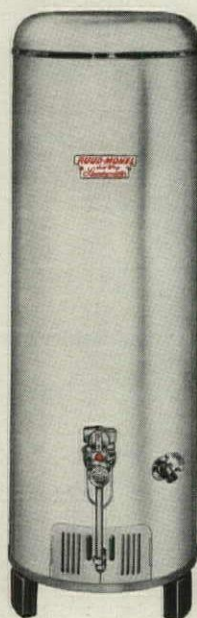
Only Laundrymaster with high speed gas is specifically designed to provide enough hot water, hot enough, and fast enough to operate any automatic clothes washer continuously.

Only Laundrymaster with its exclusive Ruud-Monel tank, can safely hold water at 180°, thus assuring washer-tub temperatures of 150°-160°—the minimum for white, white washes and safe sanitation in 85% of home laundering.

Only Laundrymaster has the exclusive duo temp feature which not only gives hotter water for automatic laundry and dishwasher, but also provides simultaneously the super-safe tap temperature of 125° at bathroom and lavatory faucets, as recommended by the National Safety Council.

Only Laundrymaster with its exclusive, rust-proof, long-life Monel tank, gives you lifetime assurance of sparkling rust-free hot water, spotless washes, perfect sanitation.

Used in HOUSE & GARDEN "House of Ideas."

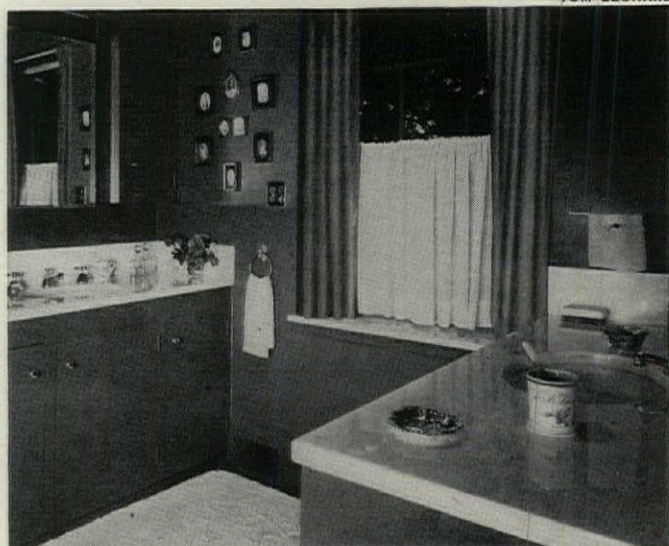


*Monel is an alloy of nickel and copper—both metals urgently needed in the country's defense program. Production of Ruud-Monel water heaters is on a severely curtailed basis, limited by the amount of these strategic metals available for civilian use after the needs of the defense program have been met. Distribution of Ruud-Monel water heaters is restricted by government order to those areas in which public water supplies are of maximum corrosiveness, and this advertisement is not intended to indicate general availability of water heaters with Monel tanks.

RUUD MANUFACTURING CO. General Offices: Pittsburgh 1, Pa. • Toronto 14, Canada

HOUSE NO. 4, continued from page 171

TOM LEONARD



Luxurious master bathroom has twin lavatories with extra-long marble countertops for toilet articles, and deep set-in circular bowls. The stall shower is recessed in the wall opposite the working wall, and a half-door separates the toilet compartment. A white cotton rug covers the floor.



In the kitchen end of the service L (which includes the laundry) a large window looks out over the front entrance driveway. In the opposite corner, a built-in dining nook faces the garden through a picture window. Above the stove is a stainless-steel ventilating hood and fan.



On the pantry side, the pass-through (closed here) is placed conveniently between glass-paneled cabinets that hold glasses. A pull-out refrigerator occupies the first counter unit at the left.

HOUSE NO. 8, continued from page 51



The all-purpose room is simply and sturdily furnished. The floor is cork tile, the walls of vertical cedar siding, the fireplace of rugged fieldstone. The pass-through to the kitchen also makes a counter for snacks. The shelves hold books and a television set, cabinets hold game equipment.

SHULMAN



This corner of the living room looks out to the patio through a floor-to-ceiling glass wall. The entrance at the left links the living room to the all-purpose room beyond. The house was placed so that the fine old tree in the patio could be preserved. Sloping roof provides a clerestory.



The decor in the living room gives it a simple dignity. The walls are covered in birch veneer. High window faces the street. Modern furniture is combined with an old Chinese scroll and a Chinese coffee table.

Continued on page 174

How to Cut Heating Costs



New KRESKY Forced Air Dual Wall Furnace costs less than half other automatic oil central heating furnaces!

Saves on initial cost, installation cost and fuel bills. And see how it saves space: no basement needed, no closet given up, warm air outlet (grill at top of panel) located high so furniture can be arranged immediately in front.

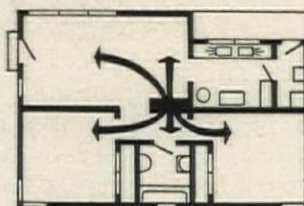
This new automatic oil forced air furnace is an eye opener. It costs you less than half the usual central warm air heating plant, yet delivers an abundance of clean golden warmth throughout your house...quietly, automatically and economically.

The furnace draws in cold air from the floors through the bottom grills on two sides of the wall. It delivers warm air through the top grills of either or both sides as you wish. You can direct all 57,500 B.T.U. output to one side and bring the coldest rooms up to comfort in five minutes or less.

Continuous air circulation is assured by means of a quiet, hush-engineered, large-volume fan coupled to a variable-speed automatic control. This continuous circulation of air eliminates drafts, cold floors and hot zones...and at the same time keeps the furnace panels cool to the touch at all times. The panels are finished in handsome ivory baked enamel, easy to keep sparkling bright with a whisk of a damp cloth. But if you wish, the panels may be re-decorated with the paint you use on the walls...without fear of discoloration through heat.

Your usable floor space is increased. The furnace itself takes up no space in

the rooms on either side of it, and the 18" wall depth it requires is ample for extra book cases and storage closets.



HEAT FLOW DIRECTION IS SURE AND POSITIVE. Micrometer control deflector allows complete direction of heat to either side of the wall, or an even distribution to both.

Other KRESKY OIL FURNACES to Choose From

FLOOR FURNACES: One out of every four oil floor furnaces sold is a Kresky! That's because Kresky has pioneered in the manufacture of quality lower-cost heating plants since 1910. Under-the-floor Kresky oil furnaces come in 4 flat floor register models from 40,000 to 112,800 B.T.U. output—in 3 dual wall register models from 50,000 to 72,800 B.T.U. output.

CENTRAL FORCED AIR FURNACES... FOR INSTALLATION IN BASEMENT OR SERVICE CLOSET: Compact, quiet and economical to operate, they come in a choice of sizes: 75,000; 105,000; & 160,000 B.T.U. output.

All Kresky Oil Heating Equipment, furnaces, space heaters and water heaters, use the patented Kresky burner that burns up every drop of oil...actually turns smoke and soot into EXTRA heat. This smoke-free flame makes for fuel economy and cleanliness.

Write today for FREE folders and name of your nearest Kresky dealer.

Your letter will be answered within a week.



KRESKY MFG. CO. INC.

2ND AND H STREETS, PETALUMA, CALIFORNIA

Kresky Sales and Service Covers Most of the United States

For all your
Spring
Cleaning...

have plenty of

HOT HOT WATER
- always on top!

Spring weather always means you need *more* hot water in kitchen, laundry, and bath. *White* Water-Hotters have been supplying *more* hot water through twenty-three Spring housecleaning seasons. Mail coupon today for **FREE** facts about *White's* exclusive super-heating features. *White Products Corporation, Middleville, Mich.*

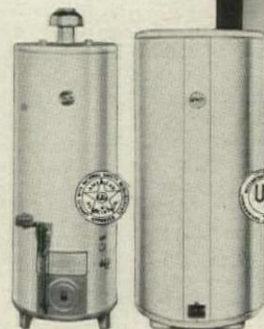
**6.9% MORE HOT WATER
FROM SAME SPACE!**

6.9% more hot water than most utility requirements, because *White's* exclusive Water-Hotter baffle diffuses, tempers incoming cold water.

FILM OF FLAME

NO MORE "LUKEWARM" BATHS BECAUSE OF CLOGGED BURNER! *White's* famous "Film of Flame" single port burner, means no clogging ever. Amazingly fast "pick-up" for **PLENTY** of hot water when you want it.

See Your Dealer
Order a...



GAS—Round models only
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White WATER-HOTTER
AUTOMATIC WATER HEATERS
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Water Heating
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WHITE PRODUCTS CORPORATION—Dept. HG-3
MIDDLEVILLE, MICHIGAN

Please send me, without obligation, full information about Water-Hotters. Also who is my nearest *White* dealer?

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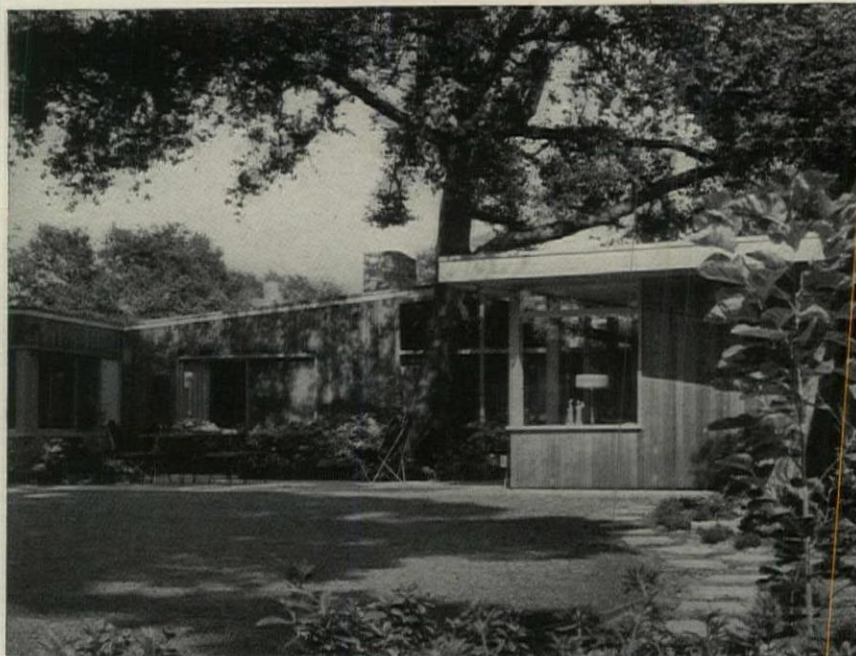
LOCAL ADDRESS _____

CITY _____

ZONE _____

COUNTY _____

STATE _____



Corner of the all-purpose room has built-in sofa next to the fireplace with wall fixtures for secluded reading. This informal room contains a recessed bar with counter and stools adjacent to the TV set for convenient viewing.

Dining room entrance is through all-purpose room. Both rooms have sound-absorbing cork tile floors. Draw curtains add to intimacy of room. Storage wall for silver, linen, has built-in sliding door cabinets above buffet counter, with drawer space below. Indirect ceiling fixture casts soft light on stone and wood textures.



HOUSE NO. 8

continued from page 173

Left

This over-all view shows how the rear of the house opens out from the sheltered patio to wooded vista. Service wing with maid's room is on right. Branches of spreading oak give cooling shade. Landscaping enlarges scope of terrace.



Between motor court and front door a low stone border wall encloses green plants, separating car shelter and parking space from landscaped entry. Across living-room wall, facing street, is the long, louvered screen which admits air, controls sunlight.

SHULMAN



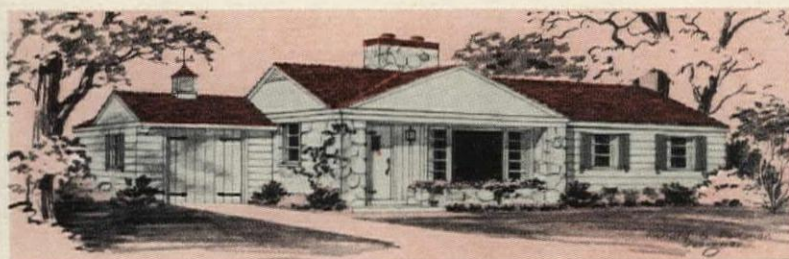
In the kitchen, a rubber tile floor makes work lighter while the acoustic tile ceiling absorbs noise. The decentralized range is opposite the vinyl-topped steel preparation counters. The upper storage cabinets are at easy reaching height adjacent to window.

- DISTINCTIVE
- ARTISTIC
- CORRECT

McKINNEY

Forged Iron hardware

FOR MODERN RANCH TYPE
AND CONTEMPORARY HOMES



Exterior designs courtesy of Home Planners, Inc., Detroit, Michigan. Palmquist & Wright—archts.; Richard B. Pollman—designer. Blueprints available from above source.

McKinney Forged Iron Hardware adds individuality and charm to the popular house designs of today. If you are planning to build a home, or remodel your present one, McKinney's complete line of eight authentic forged iron period designs in dull black, half polished iron or Olde Copper finishes assure an appropriate and harmonious finishing touch.



McKinney Forged Iron Hardware gives a note of smartness and good taste to kitchen, recreation room, living room or den—equally effective on painted wood surfaces or natural wood finishes.

Truly, McKinney Forged Iron Hardware is the "jewelry of the home." See it at your Dealers.

Mail the coupon below and 10 cents for the helpful, illustrated booklet, "How to Select the Right Hardware for Your Home."

McKINNEY

MANUFACTURING COMPANY

1715 Liverpool St., Pittsburgh 33, Pa.

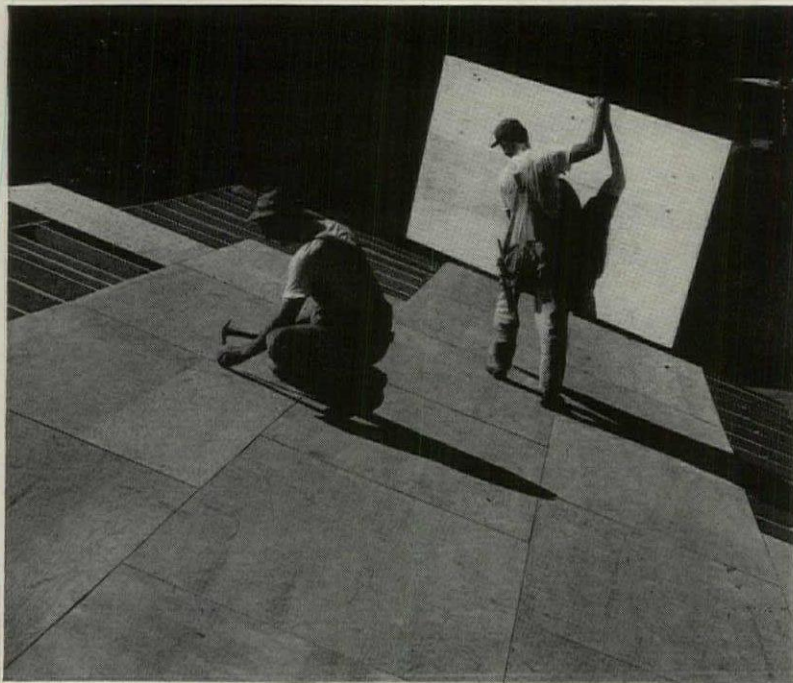


Enclosed is 10 cents. Please send me a copy of "How to Select the Right Hardware for Your Home" and a Furniture Cut-out Card. HG

Name _____

Address _____

City _____ Zone _____ State _____



Fir Plywood Gives You More house for the money

Low-cost fir plywood roof sheathing saves money, does a far better job than ordinary lumber.

Fir plywood roof sheathing goes a long way towards assuring you a comfortable, well built home. It has far more "bracing strength" than ordinary sheathing, gives added protection against windstorm or earthquake. Big panels seal out drafts, help keep your home snug and tight. Because it's factory-seasoned to uniform dryness, plywood won't warp or buckle like lumber, won't damage finish roofing.

Fir plywood saves, you money, too. It costs about the same as lumber, but because it speeds work, you save on application costs. Your architect, builder or lumber dealer can best tell you exactly how much you can save by using fir plywood instead of boards. Ask him to figure the cost both ways.

For more information, write Douglas Fir Plywood Association, Tacoma, Washington for free folder "Extra Strength That Saves Money When You Build."

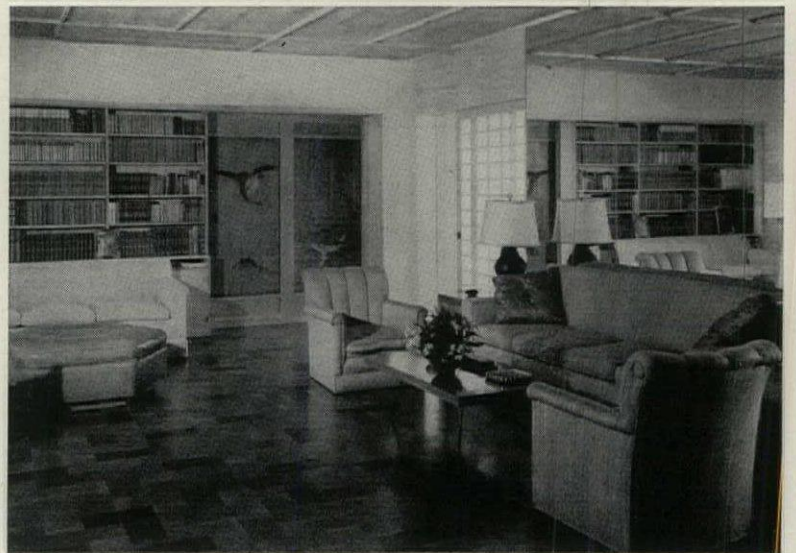
Finish roofing goes down faster over smooth, solid fir plywood sheathing. It lays flat, stays flat—won't twist or buckle. Result: a better job at lower cost.



This registered trademark on panel identifies PlyScord, the economical sheathing grade fir plywood. It's your assurance of dependable, quality-tested fir plywood. Look for it on the panel.

HOUSE NO. 11, continued from page 59

Simplicity is the keynote in this Hawaiian house, which gives it two special advantages. First of all, it reduces the problems of maintenance and upkeep to a minimum. The plain, unadorned surfaces of all the rooms are easy to keep clean. Secondly, the total effect of the rooms is cool and restful, an important consideration in a semi-tropical climate. Furthermore, the quiet background is designed to show off the owners' collection of Oriental antiques to best advantage. Another striking characteristic of this house is the relationship of almost all the rooms to the outdoors. The idea of the traditional Hawaiian lanai has been expanded here so that other rooms besides the living room have outdoor extensions. Large windows and sliding glass walls minimize the division between indoors and out. This has long been one of the major contributions of Hawaiian houses, and it is now catching on and being adapted for use here in the States.



The living room is arranged for conversation groups, easy entertaining. Sliding door panels, painted with birds, are antique Japanese doors. Large pieces are upholstered in rough-textured fabric.

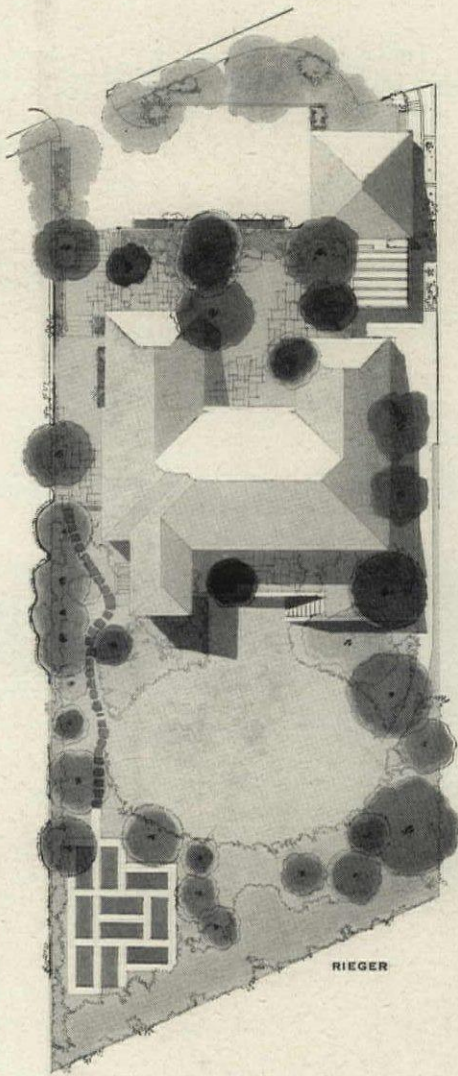
WERNER STÖY



T'ang Dynasty camel dominates a corner of the dining room. Dining table and chairs are specially designed in magnolia wood. The window ledge opens out on hinges to become a buffet table for parties.



The driveway for cars is on the upper level where it faces the main road. The gate at the center opens to the entrance courtyard by means of steps which lead down to the house. This two-level arrangement gives the house unusual privacy since only the roof of the house is seen from the road.



By extending all three rooms outdoors, the landscape architect provided three separate outdoor living areas. There is a large paved court on one side of the living room, a secluded private garden off the master bedroom, and a terrace next to the dining room.

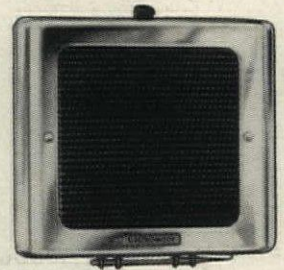
Continued on page 178

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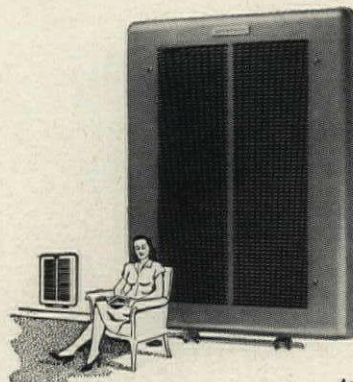
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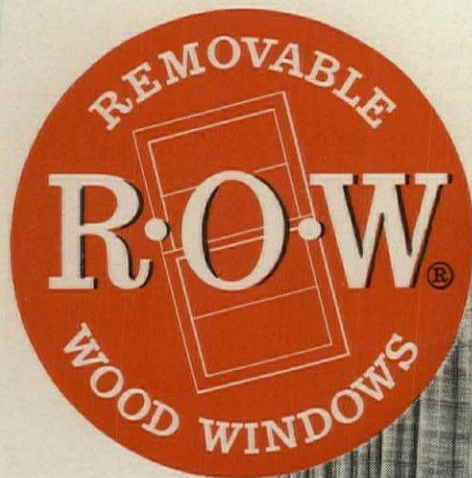
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HOUSE NO. 11, continued from page 177

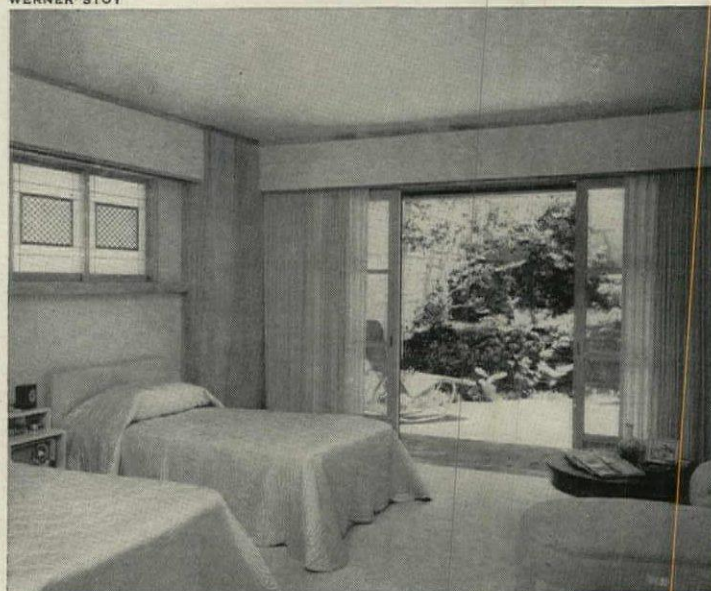


In the lath house, the owner's wife inspects her collection of miniature pink and white orchids. This outdoor room has a lath roof, shelves for potting soils, storage for gardening supplies.

The owner's brown and beige study, right, has bookshelves built right into the window wall. The window itself has a wide view of the valley below since this room is actually cantilevered out over the slope of the hill.



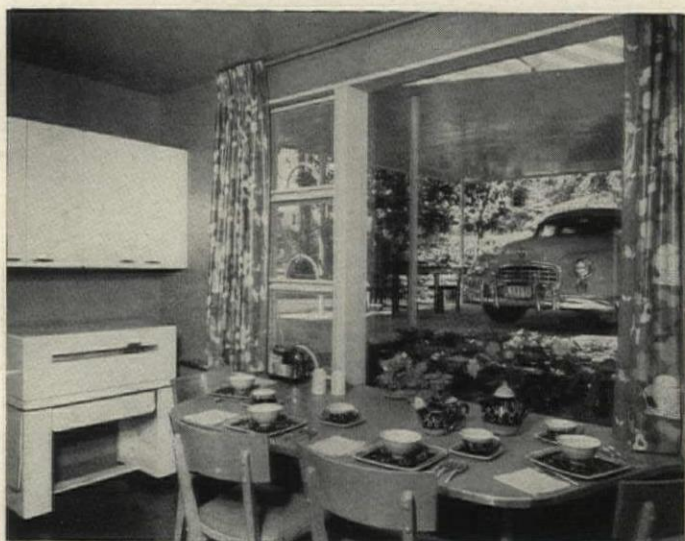
WERNER STÖY



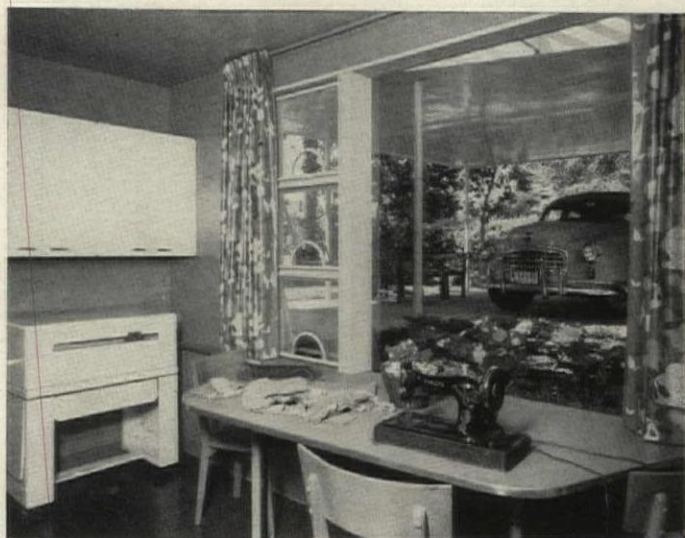
The window wall of the master bedroom slides back to merge it with the enclosed private garden outside. Walls on three sides of this garden keep it entirely secluded, make sunbathing possible.

HOUSE NO. 12, continued from page 61

Here is a kitchen table that can do triple duty. It is used for breakfast, sewing, sorting laundry



Built-in kitchen counter table with earth-brown vinyl top is set for breakfast with sunlit view of bright begonias in garden. Curtains pull across at night to repeat the outdoor colors in a fruit-and-flower chintz.



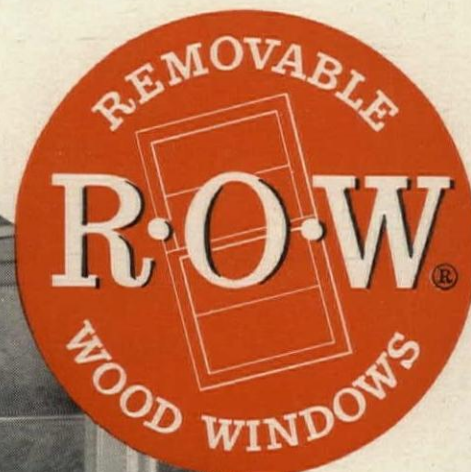
Here you see how all the family's sewing (including the youngest daughter's dolls' clothes) can be worked on at the kitchen table.

DEARBORN-MASSAR



When the adjacent ironer goes into action, the table is used for folded clothes and linens; table also gives extra space for canning.

Continued on page 180



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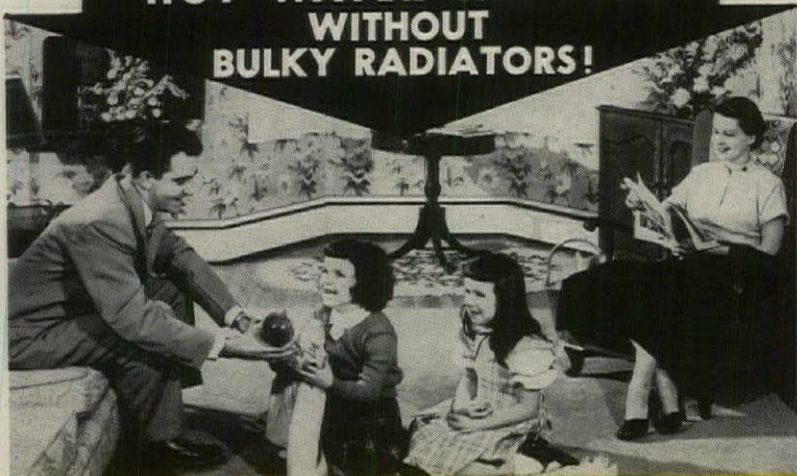
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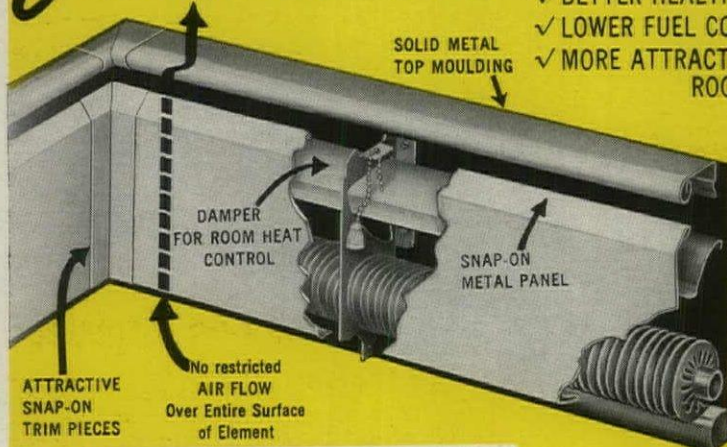
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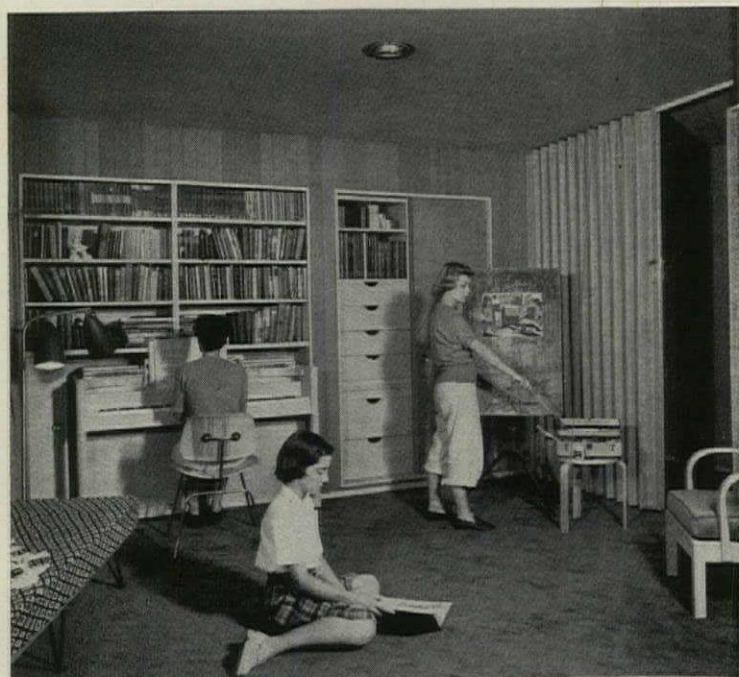
ADDRESS _____



HOUSE NO. 12, continued from page 179

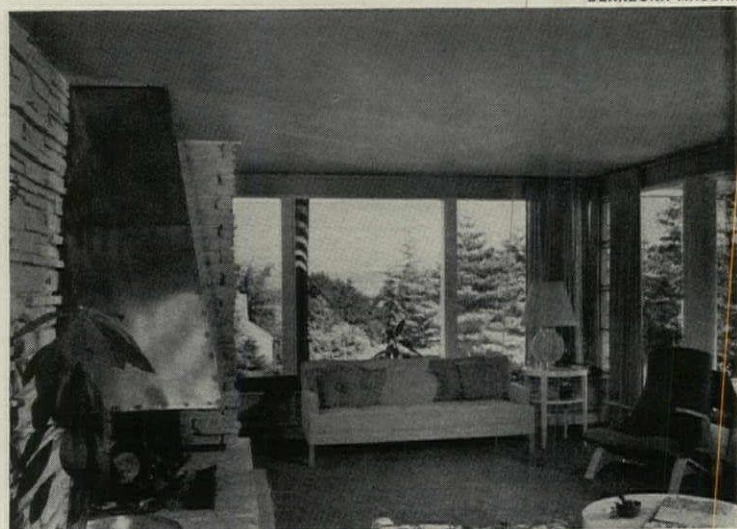


A skylight floods the dining space for meals. The family can entertain with pleasant informality at this table in the living-room corner nearest the kitchen. Serving buffet is close; adjacent fireplace gives cozy atmosphere.



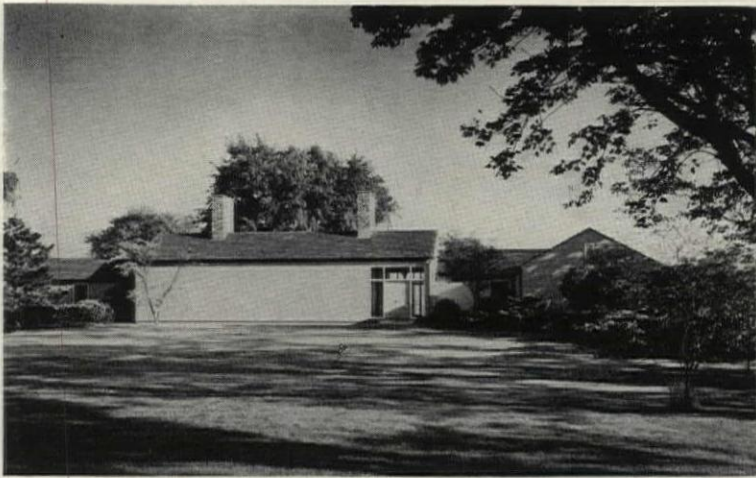
The all-purpose room caters to all the family hobbies. One daughter enjoys music at the built-in piano; others paint, read. Shelves above piano hold books, games, sewing, art supplies. Studio couch doubles as a guest bed.

DEARBORN-MASSAR



Window wall at far end of living room overlooks sweeping green vigor of the outdoors. The facing sofa is covered in citron yellow linen to match ceiling. Curtains are greenish gray, blend harmoniously with walls when drawn.

HOUSE NO. 13, continued from page 63



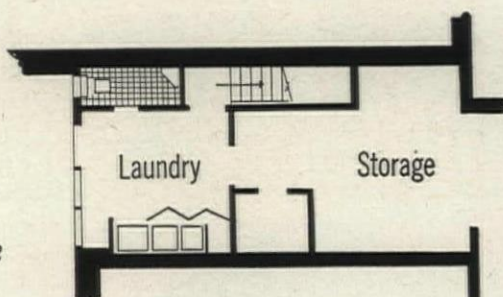
The front of the house is a solid clapboard wall, for all living is oriented to the back, to the view of Narragansett Bay, to lawn and flagstone terrace. At the right is the bedroom and guest wing, which has its own front door; at left, the service wing. Note the traditional, balanced placement of fieldstone chimneys.



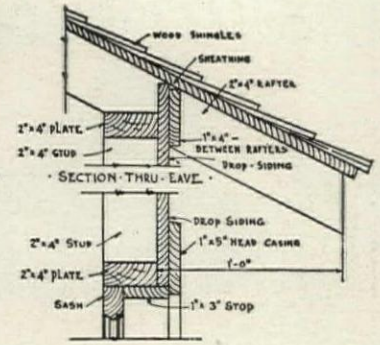
The front door is actually a modern version of the Colonial entrance. Colonial sidelights and over-the-door fanlight have been translated into over-sized glass panels at sides and above the double wood doors. A vestibule in front of the hallway helps keep out cold winds, mud in rainy weather.



The compact, U-shaped kitchen was designed to be run easily without servants. Beneath it is the laundry and storage level (see plan below), reached from a stairway to the left of the kitchen. The plan shows how accordion doors can screen off the laundry equipment, which is lined neatly against one wall.



Continued on page 182



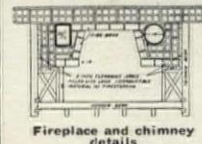
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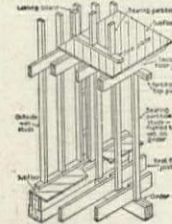
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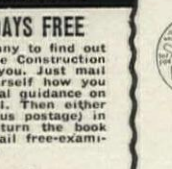
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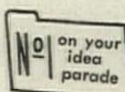
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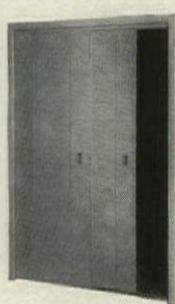


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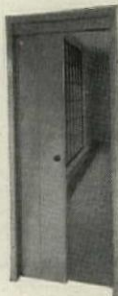
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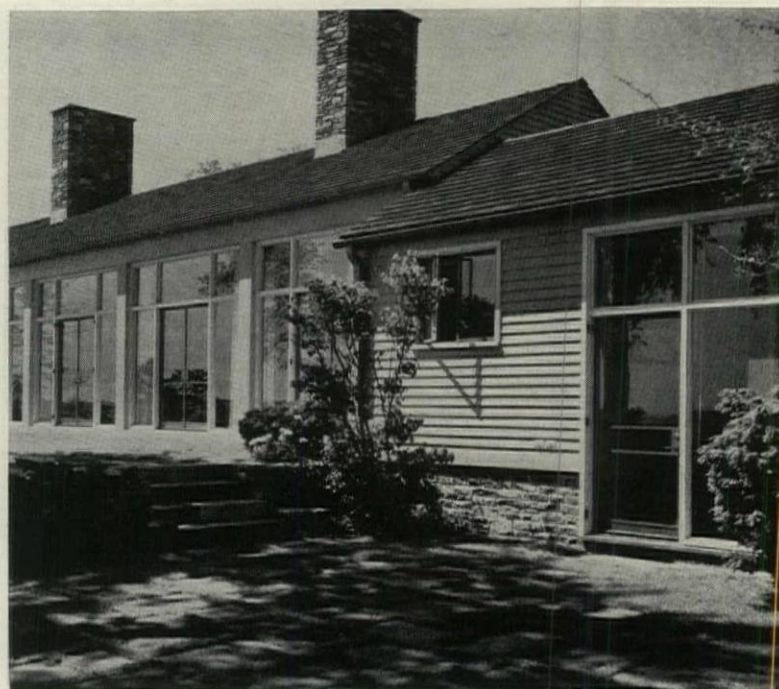
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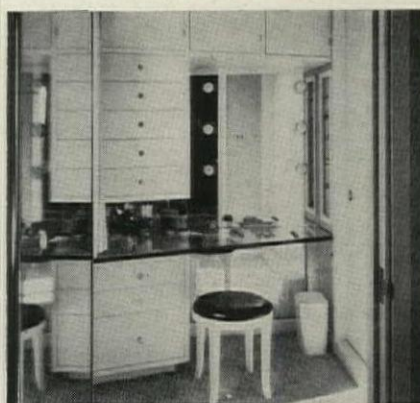
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HOUSE NO. 13, continued from page 181



In warm weather, meals are served out-of-doors on this shaded terrace directly behind the kitchen. The change in level helps to separate flagstone terrace from living-room lawn which is four steps higher.

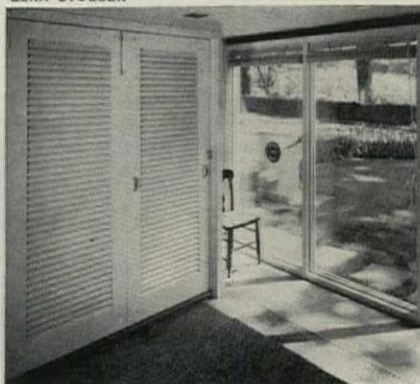


The dressing room adjoining the master bedroom has spotlights set right into the mirror. These give the accurate, shadowless lighting of a stage dressing table. The table top is a glass ledge, wider at the left than at the right to permit access to clothes closet.

The laundry equipment (electric washing machine and gas drier) is lined up against the wall where it can be entirely hidden behind accordion folding doors.



EZRA STOLLER



When the folding doors in the laundry are closed, they present an attractive, shuttered wall. The laundry is on a lower level, thanks to the slope of the land, and has direct access into the garden.

HOUSE NO 14, continued from page 65

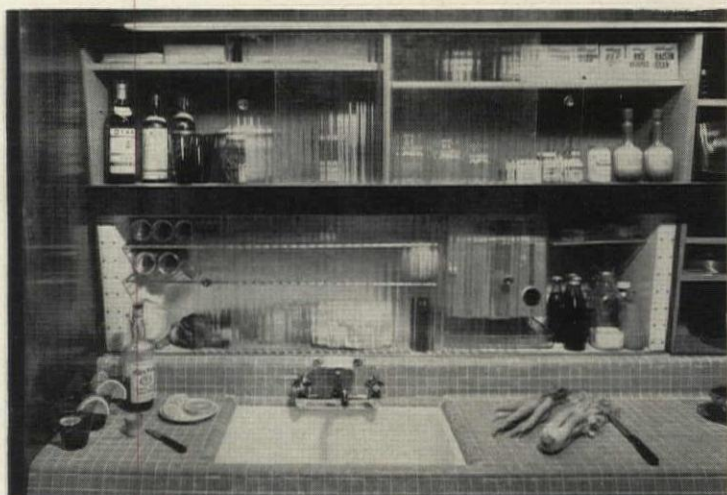


The bathroom is divided in two by a sliding door. The tub, shower, and wall-hung watercloset are all in one room behind the door. The lavatory does double duty as a dressing table, is outside the door in an ell of the bedroom.

EZRA STOLLER



A free-standing cabinet divides the living room from the kitchen. On the living room side it holds books, a radio, a television set. The paneled section at the far left stores china, glass, and table linens. Panel between this and the shelves lets down to become a dining table.

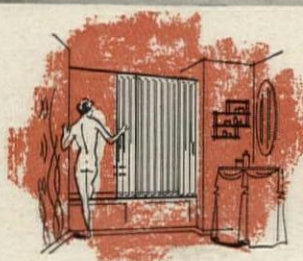


A special, built-in refrigerator is set into the kitchen shelf at work-surface level. The front of this refrigerator consists of sliding, fluted glass panels. These are also used for shelves above, make contents visible.

Continued on page 184



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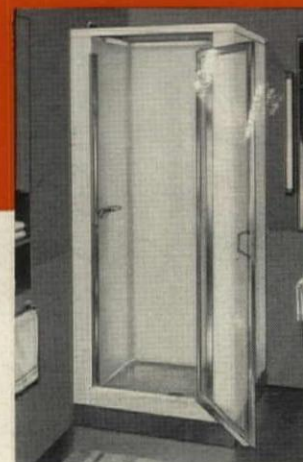
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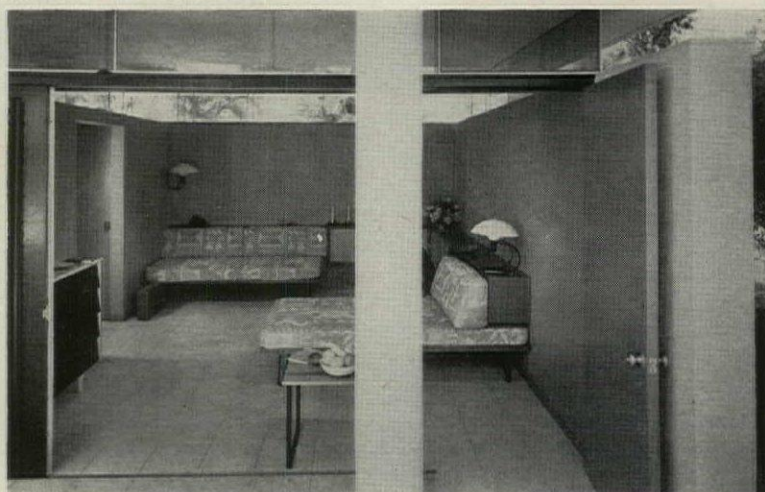
SAKRETE

HOUSE NO 14, continued from page 183

EZRA STOLLER



Master bedroom has suspended wardrobe wall for privacy on street side. Here dressing is facilitated by progress from bath behind wall, left, past lavatory counter to wardrobe.



The cabana-guest room on the lower level has two beds for overnights. Sliding jalousies open the whole front wall of this room to the pool.



Kitchen is concentrated into one unit, serves for drinks, cooking, and clean-up. Facing cabinet acts as a pantry.



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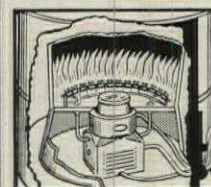
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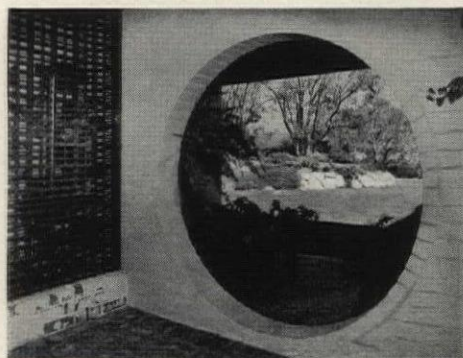
City _____ Zone _____ State _____

HOUSE NO. 22, continued from page 81



Interiors make use of Hawaiian talent for space and tranquility, creating feeling of restfulness and continuity from room to room. Living room uses gray, beige, yellow with wood tones and sharp accents.

A moon gate, borrowed from Oriental gardens, pierces the wall that runs along the covered walk from the garage to the front entrance. It affords a view of the rock garden and lawn behind bedroom wing.

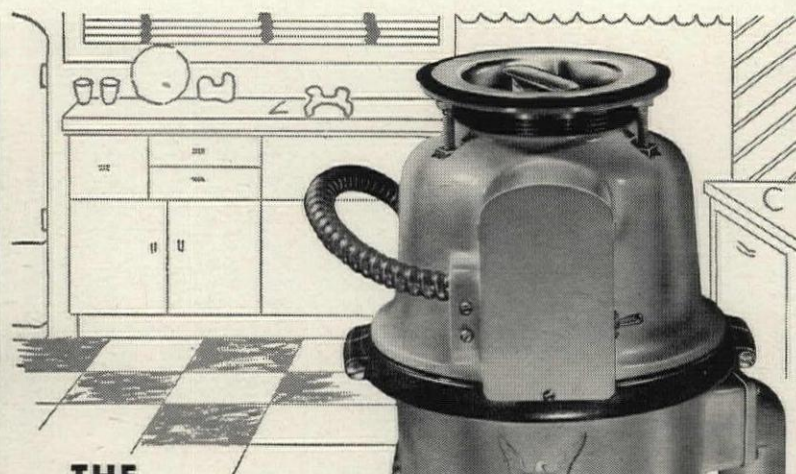


SHULMAN



You can double the use of a bedroom by including a sitting-room corner. On cool evenings, the owners read or listen to music before a lighted fire on their bedroom hearth. Room opens to its own terrace.

Continued on page 186



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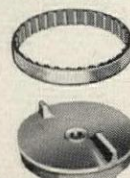
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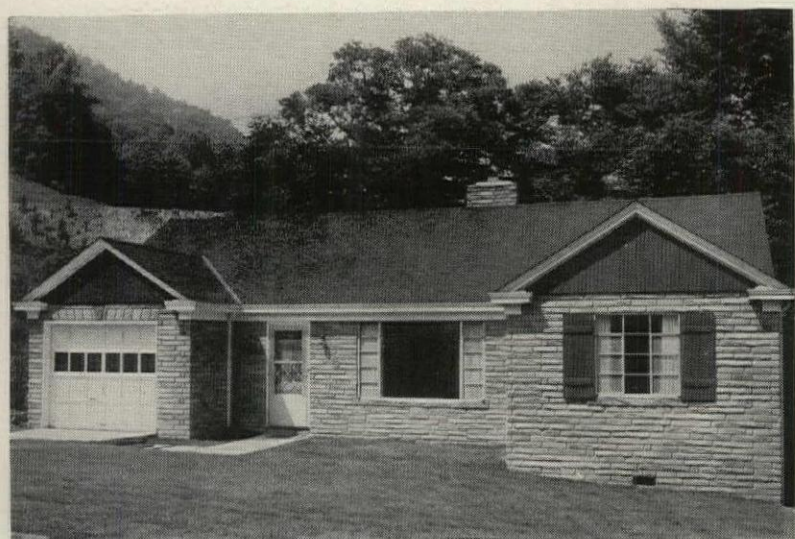
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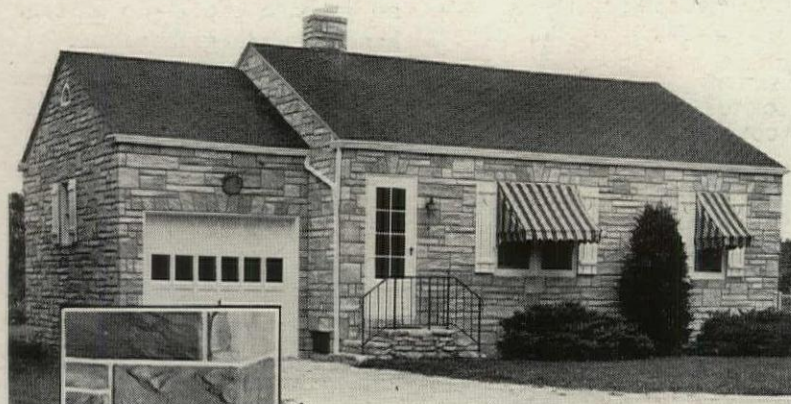
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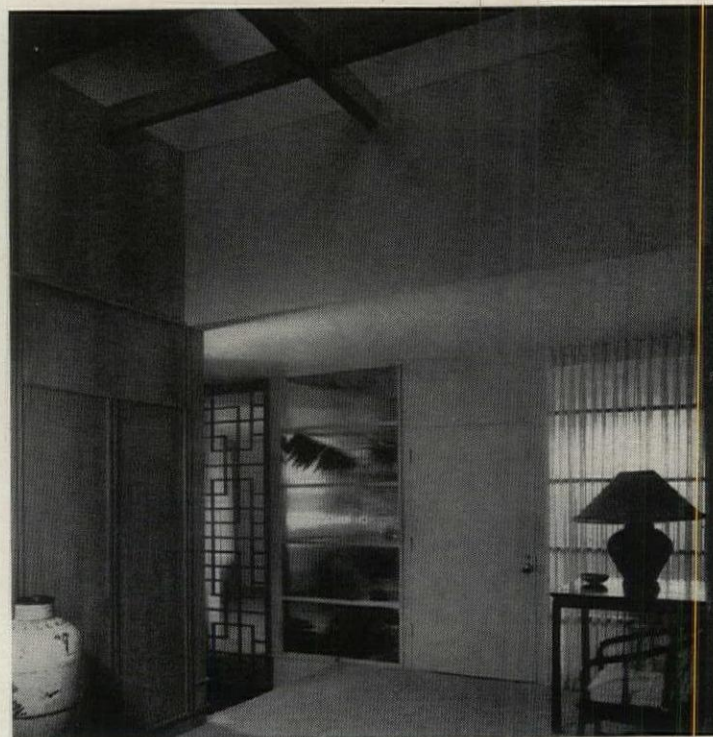
Send free book, *Modernizing Magic* and name of your local dealer.

Name _____

Street _____

City _____ State _____

HOUSE NO. 22, continued from page 185

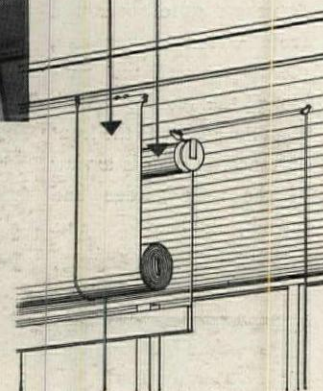


You can make a blank hall into a hospitable entrance with adroit lighting. Here, daylight filters past a gauze-curtained window, right, and a window of fluted glass, left. The entire glass ceiling lights up at night.



canvas
plastic

All-weather protection for the lanai is provided by two sets of roll-up curtains. One is a clear plastic windbreak, the other a green canvas rain-stop. Wood strips under eaves are separated to permit ventilation.



SHULMAN



Soft-spoken colors combined with unexpected textures are part of the decorating recipe for the living room. Couch is cinnamon and ivory antique serge, two chairs are linen, others gray satin and cinnamon velvet.

HOUSE NO. 24, continued from page 85

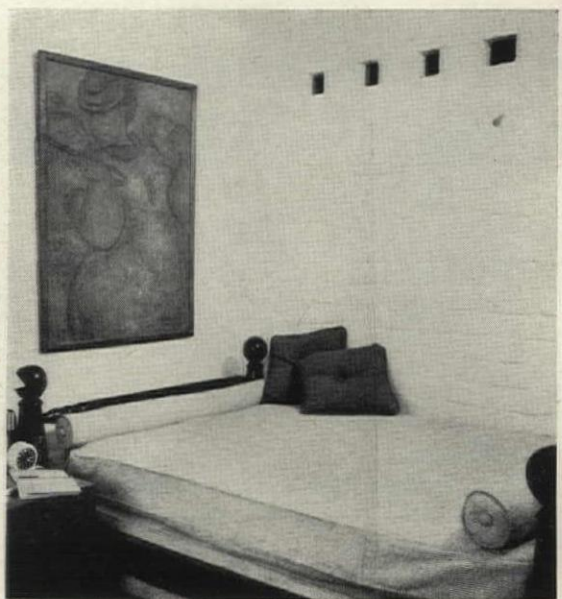
WERNER STÖY

The patio is planted to simulate a small grove. The garden room is floored with cut coral stone. Strawberry guava trees are grouped in irregular plantings as they would be in a natural grove. Glass doors open into the living room, relate it to the out-of-doors.



A special niche in the circular dining room houses a collection of rare Polynesian shells. The antique dining table dates from the Hawaiian Hai Monarchy, circa 1840, and shows the influence of English design. It combines effectively with a set of contemporary high-backed chairs.

In the son's bedroom an antique Monarchy bed made of koa wood dominates one wall. The entire room is simply finished in white-washed concrete blocks. The drawing above the bed is by Madge Tennant.



Continued on p. 188

so Beautiful

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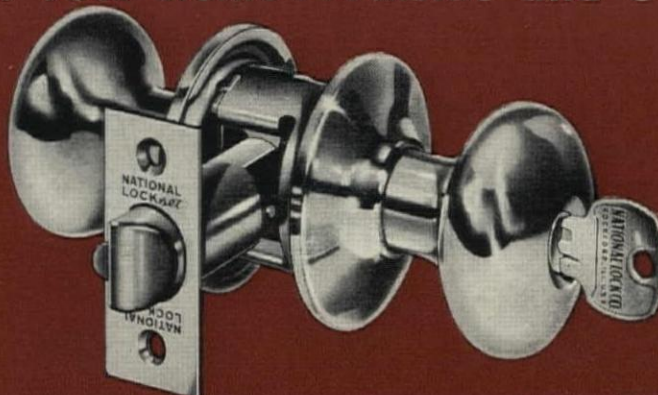
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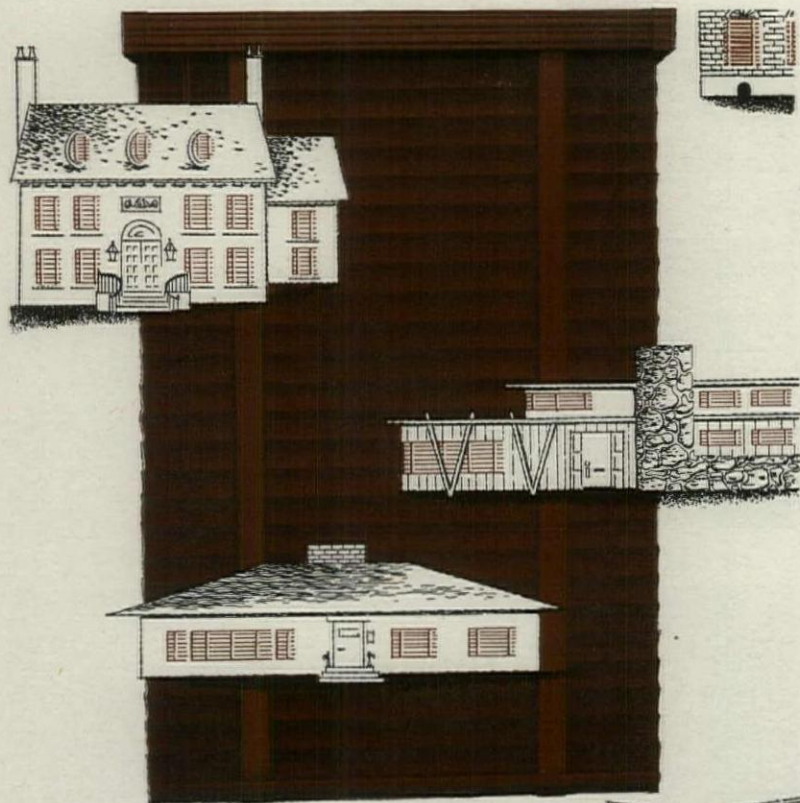
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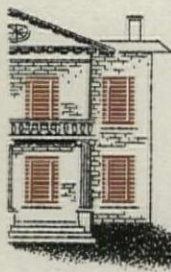


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PRIVACY CONTROL Windows work both ways! Enjoy complete privacy without sacrificing light or ventilation with all-metal Rolla-Head Venetian Blinds.



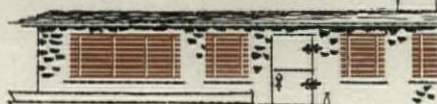
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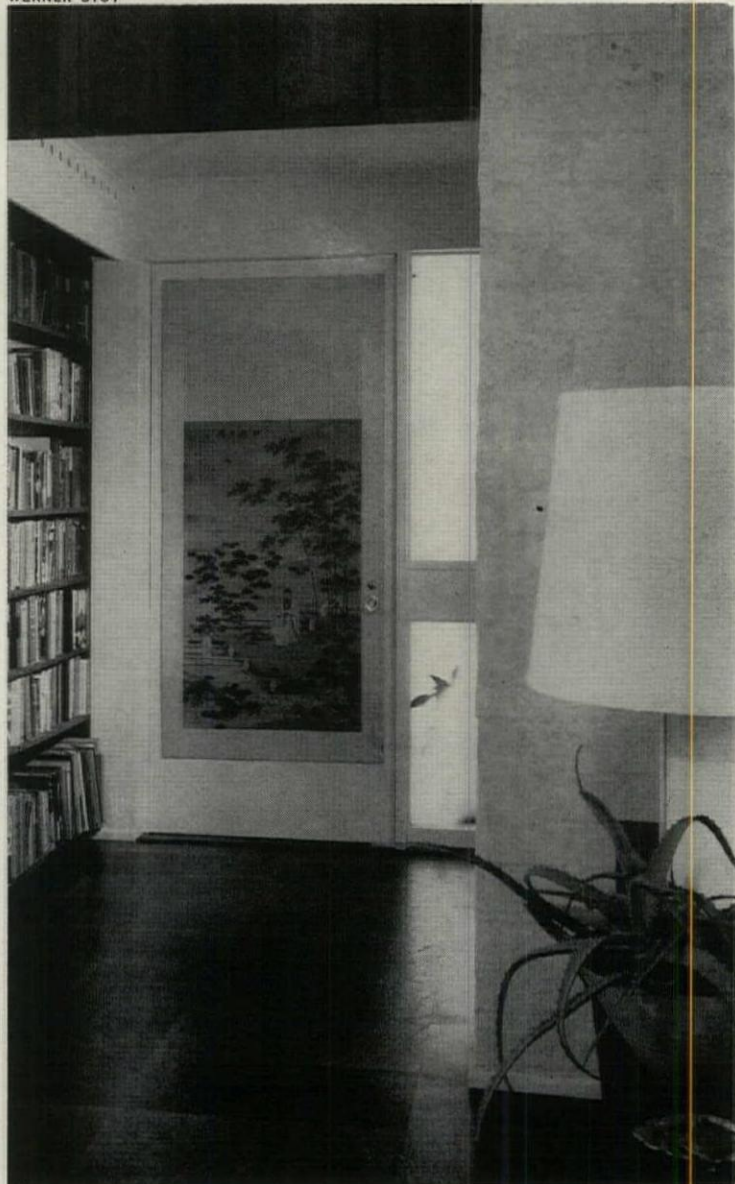


HOUSE NO. 24, continued from page 187



The master bedroom gets its effect from an unusual combination of elements. The color scheme is white and gold. Concrete block walls are contrasted with Chinese silk, antiques mixed with contemporary pieces.

WERNER STÖY

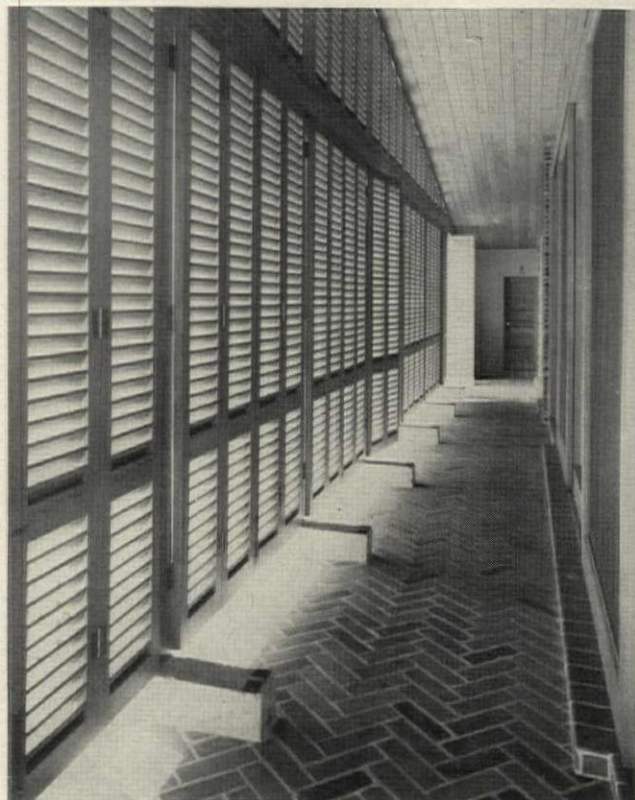


The entrance hall combines genisaro wood with a cork tile floor and concrete block walls. Chinese painting hangs on the inside of the door.

HOUSE NO. 27, continued from page 89



Huge stepping stones of concrete lead from gallery to pool, create an arresting motif. Varied patterns are used to the utmost in this house, concrete discs, herring-bone brick, and slatted design of the louvers.

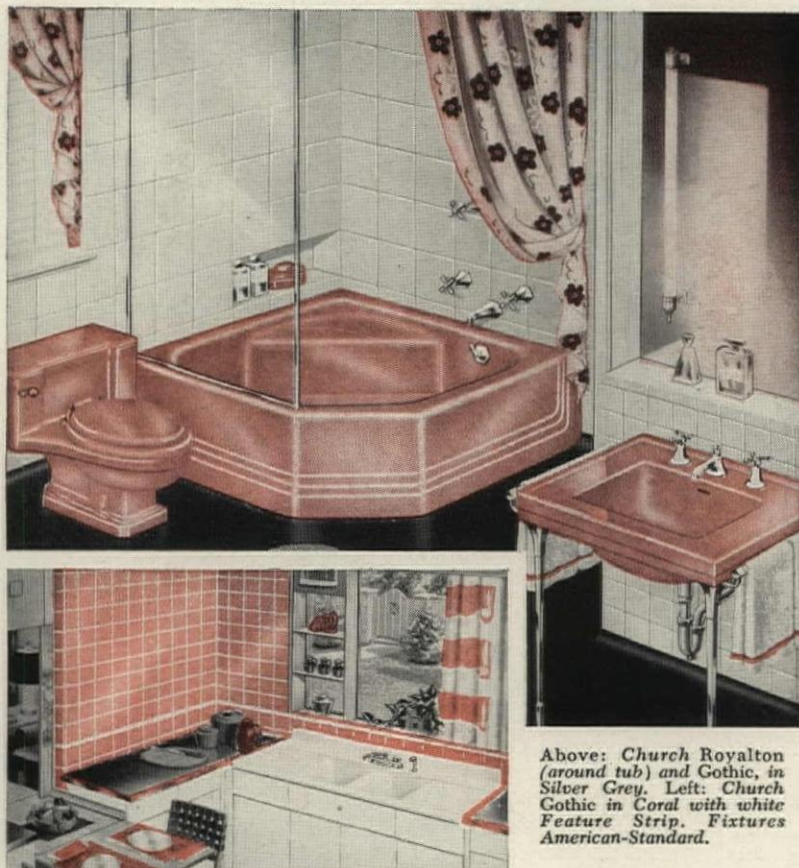


RUDI RADA

These louvered panels are designed to fold back into fins, thereby giving the maximum view. This solves the problem of what to do with shutter-type blinds when they are not in use. The two photographs, above and at left, show how it is done. House-high, these panels are mounted on piers of stone, fold back vertically. Individual slats can be adjusted to any angle of sun. Louvered screen as a whole forms wall for entire side of the house.

Continued on page 190

Your bathroom could look like this— with Church Plastic Wall Tile



Above: Church Royalton (around tub) and Gothic, in Silver Grey. Left: Church Gothic in Coral with white Feature Strip. Fixtures American-Standard.

Yours! . . . a bathroom or kitchen you'll be proud to show your guests . . . with *permanently* lovely walls that need no repainting or scrubbing, stay sparkingly beautiful with just the swish of a damp cloth! And at far less cost than you'd ever dream — with Church Plastic Wall Tile.

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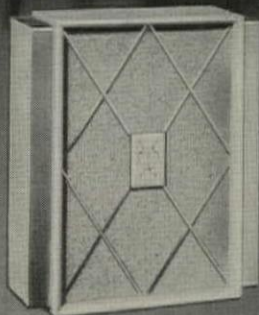
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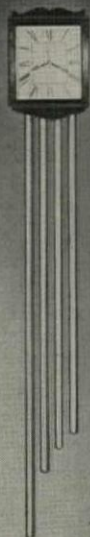
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Please send folder describing your 15 chime models.

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HOUSE NO. 27, continued from page 189

RUDI RADA



The front door is flanked by fluted, translucent glass panels on the right. These admit light to the patio inside and still maintain privacy. The window on the left has a louvered shutter to ward off tropical rain.



The kitchen has facing counters, the left-hand one incorporating a double range. A pantry-like extension, which is set at right angles to the kitchen, provides complete facilities for serving and for washing-up.

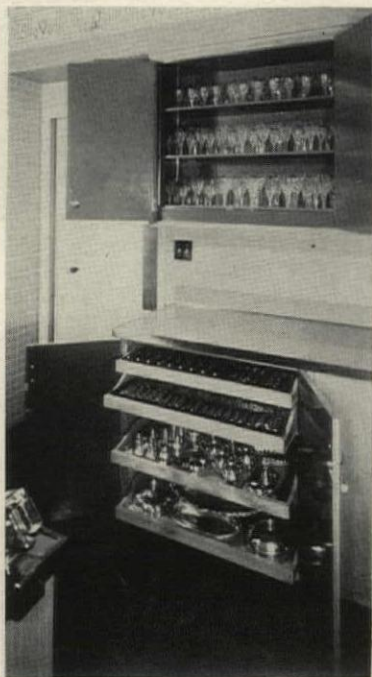


Corner of the lanai opens on the left side to gallery and pool, on right side to barbecue. Sliding glass walls, here drawn back and covered by casement curtains, can reconstitute this section as a room.

HOUSE NO. 27, continued from page 190



Seen from the inside, patio is the place where guests arrive and where cocktails are served. It is lighted from overhead by a ceiling that has a series of screened openings.



The pantry section of the T-shaped kitchen also has Korina wood cabinets. It includes such conveniences as a built-in meat grinder (in the foreground) and shelves for flat silver. The tile dado above the cabinets is in blue and white.

Continued on page 192

Bathroom Beauty and Protection

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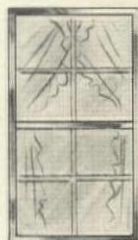
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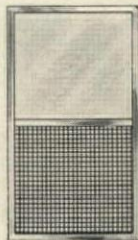


You can easily take care of your Chamberlin Combination Storm Windows by yourself.



Sub-frame

Steel or aluminum Chamberlin sub-frames are screwed onto house-window frames. Joints are caulked to prevent air leaks. Narrow, recessed frames blend in; avoid that boarded-up appearance.



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Plastic screening can't rust; never needs painting. Screen panel may be left in sub-frame all year or taken out in winter. You can choose direct or indirect ventilation in a jiffy, summer and winter.



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Two glass panels, one for top, one for bottom of sub-frame. Bottom stays in for winter, slides up for summer storage or for ventilation. Both pop out from roomside for washing in kitchen sink or basement tub.

No men around the house when you need them?

If you have to or want to, you can easily wash or change the glass panels and screens of a Chamberlin Combination Storm Window yourself.

Lightweight, sturdy construction and simple design make for easy operation. No muscles, no instruction manuals needed. Rounded corners, simple locks, smooth surfaces eliminate pinching and finger cuts. Good looks add smart touch to house's appearance. Available for every type of window.

Look at the features below. And if you're interested in easily handled, carefully installed combination storm windows, send coupon.

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Now, if you say "yes" to *any* or *all* of these questions, your answer is simple. The new Smith "Century" Gas Boiler.

Approved by American Gas Association, and with all the latest safety devices, this long-life unit heats with hot water or steam. It is the ideal unit for all systems, including radiant and radiant baseboard. It provides up to 7½ gallons of hot water every minute. You save here because the tank or tankless hot water heater is built into the boiler and is not an "extra!"

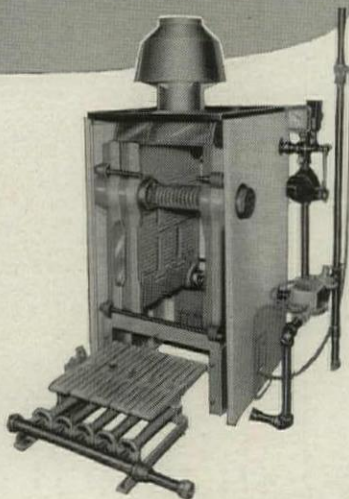
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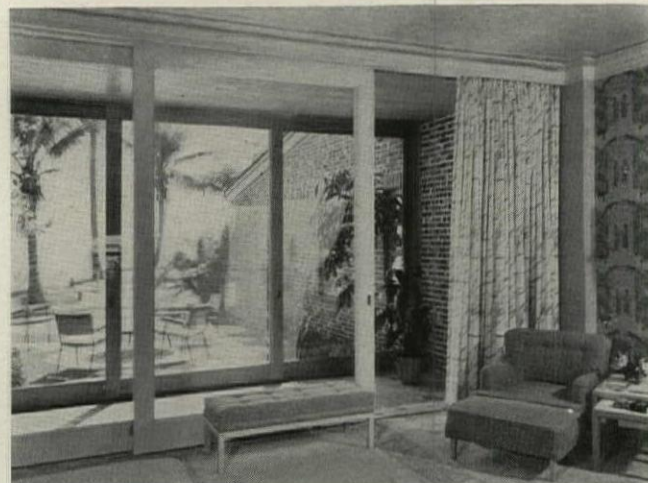


The Smith "Century" is a real beauty in black and cream baked enamel. You'll have no installation worries because connections can be made at the right or left of the boiler—so it can be placed anywhere you wish, where it looks and fits best.

Then once installed, you are assured of unsurpassed performance. The answer is yes—for truly modern heating—Smith "Century."

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HOUSE NO. 27, continued from page 191



The sliding glass walls in the master bedroom roll away to make it part of the outdoors. They pull shut and can have curtains drawn over them if the parents want privacy from the glare of the pool.



The dining room has a traditional table, antique, cane-covered, French Provincial chairs. The small-scale tiles around the niche and the split-reed panels above carry out the general patterned feeling used throughout the house.

Below:

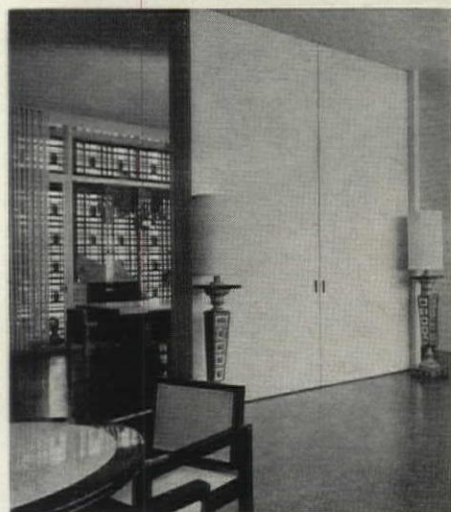
The garden patio is used for casual meals and takes care of party overflow. It has an open roof and is planned on an outdoor scale. Huge tropical plants include the flowering ginger in background.

RUDI RADA



HOUSE NO. 31, continued from page 99

FRED LYON

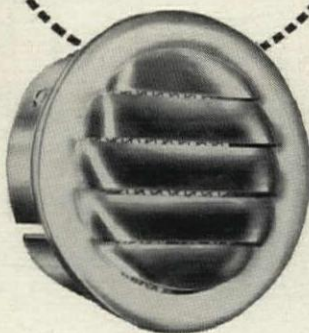


When the sliding doors are rolled back between the lanai and the dining room they give free access to the table. When they close, they form a white, free-standing panel in the middle of the sliding wall between the lanai and the dining room. The fretted doors beyond open or close off both of these rooms from the living room.

Continued on page 194

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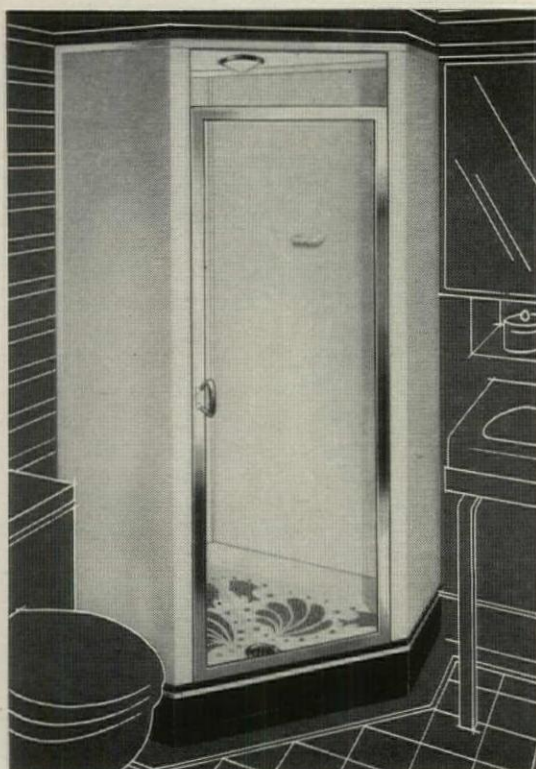
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STATE _____

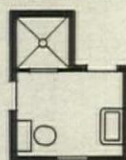


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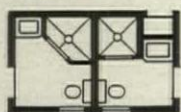




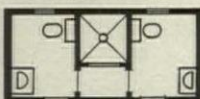
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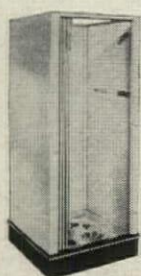
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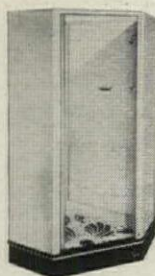
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HOUSE NO. 31, continued from page 193



The son in this family is a musician, and his room is planned as an almost self-contained unit. These cabinets contain a television set, a bar, and a small refrigerator set beneath the bar.



When the bar and television cabinets are closed they form a white panel which contrasts with the dark brick wall nearby. A raised fireplace is set into this brick wall. The other walls are covered with sound-proofing cork.



The cabinets on the opposite side of the son's room hold bookshelves, a radio and phonograph, and a tape recorder. His work table is expandable, and his bed has a convenient, storage counter.

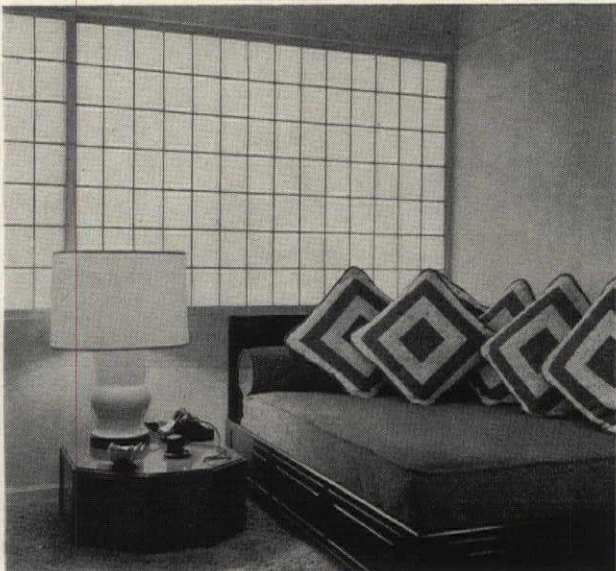


An informal lanai adjoins the patio. A wide sofa makes pleasant midday lounging. Transparent curtains keep out the glare. The floors throughout the house are of cool, practical terrazzo.

FRED LYON



The owner's wife has a screened terrace off her studio-bedroom. Floor-to-ceiling glass doors open onto it. The decorative, pierced wood wall in the background makes room private.



The owner's bedroom is quiet and secluded. Since he is a busy Hollywood producer, he wanted a restful retreat. There is little furniture, and sliding Japanese windows are opaque.

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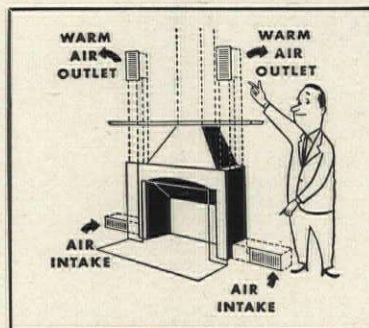
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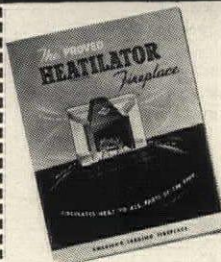
HEATILATOR, INC.
493 E. Brighton Ave., Syracuse 5, N. Y.

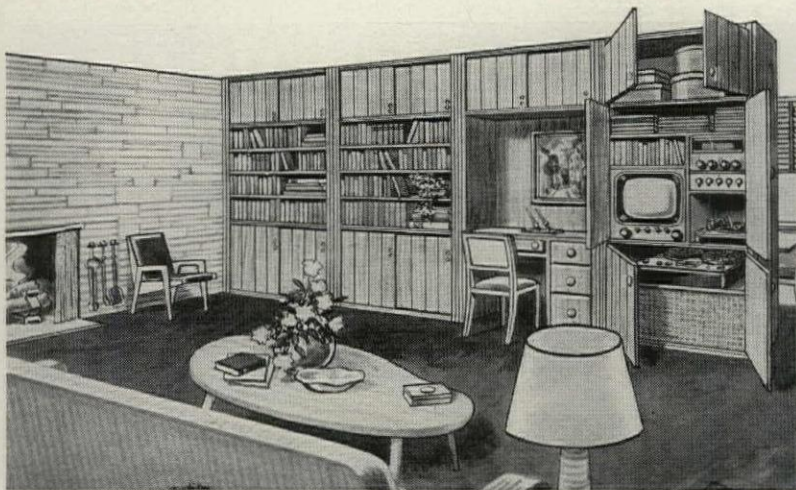
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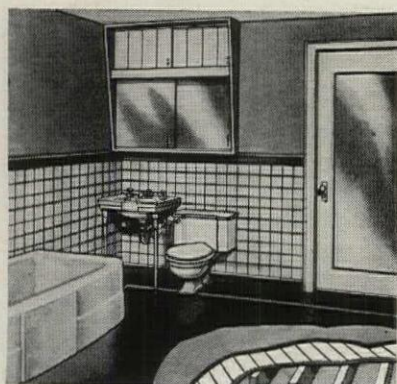


Along the wall—or in place of a wall! Nova Precision-Built Wall Units provide more useable space in less space. Available in any wood—unfinished. Units come knocked down for quick assembly. Included are wardrobes,

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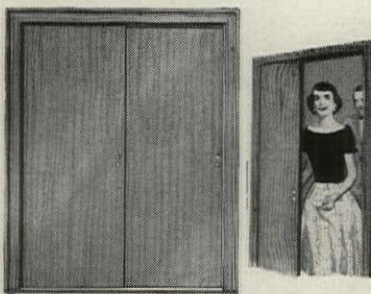
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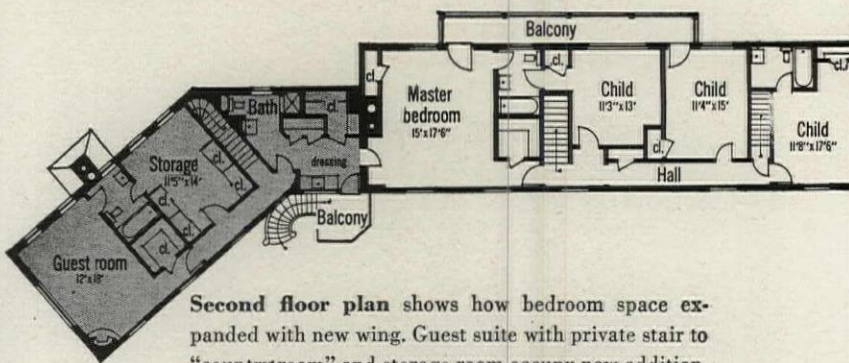
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New wing, at left, is built at a tangent; breaks straight line at back of house. Second-floor balcony is created by curving stairway which leads to "country room" terrace in foreground. This terrace is two steps down from longer terrace running to octagonal breakfast room, right. New stucco wing is painted pink to match brick of old house. Pool is below the house.



Second floor plan shows how bedroom space expanded with new wing. Guest suite with private stair to "country room" and storage room occupy new addition. Original house has master bedroom left of center stairway; three children's rooms at right. Outside stair lets family and guests go from bedrooms to swimming pool.



HOUSE NO. 36,
continued from page 111



Second floor of new wing provides new combination master bath-dressing room. Picture window over lavatory looks out over woodlands. Wide marble top has plenty of space for toiletries. Other bath compartments and walk-in closets are opposite. Gilt framed mirror swings out for shaving.

TOM LEONARD



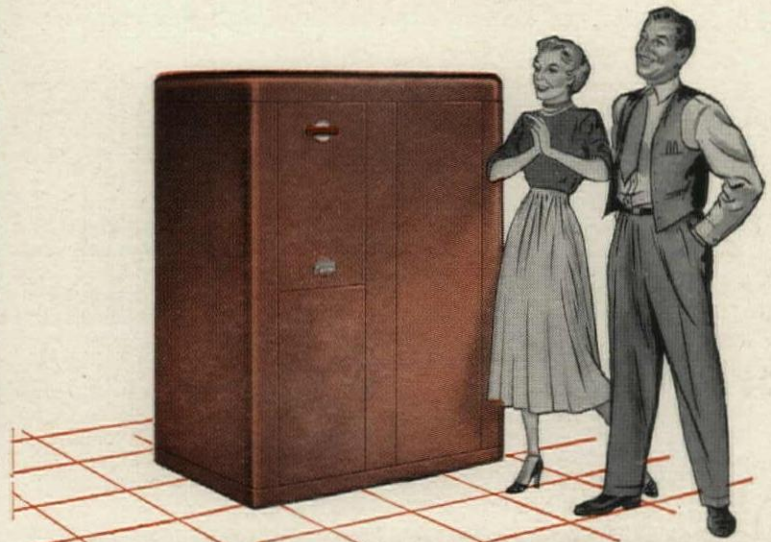
Guest room which overlooks pool has whimsical corner fireplace made of stucco, combines two of the owners' favorite colors: blue and mauve. Wall at head of beds is papered in scenic New Orleans landscape; other walls are pale blue; carpet and Victorian loveseat are mauve.

Overhanging balcony, laced with wistaria, is a distinctive feature of the house. In spring, the entrance court and small arbor at left bloom with primroses and tulips. Brick is painted pink with white trim. Bedrooms open on balcony.

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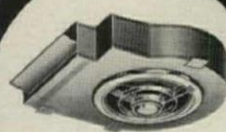
That's right, Mabel. Don't you let anyone tell you different. Pryne and Company make the best electric exhaust ventilators, recessed lights and electric heaters there are.

You just can't afford to be without a Pryne ventilator in your kitchen. Take the Blo-Fan electric ceiling ventilator, for example. Blo-Fan is so inexpensive and it will save enough on soap and cleaning materials to pay for itself, not to mention hours and hours of hard work you don't do. And listen, Mabel, Blo-Fan alone has a patented blade that combines the volume of a fan with the power of a blower. Another thing too—no other ventilator has a nine-speed switch like Blo-Fan.

Sometimes, though, it isn't practical to put a Blo-Fan in the kitchen ceiling. But, don't worry Mabel, a Pryne Aerofan electric exhaust ventilator in an outside wall will do a swell job. It's made especially for remodeling work where you don't want to cut a hole in the ceiling. My electrician says its "just a dream to install." And, Mabel, with the Aerofan you have your choice of a regular wall switch, a pull chain switch or a wonderful Pryne 3-speed switch.

Mabel, when we remodelled we put in those beautiful Pry-Lite recessed fixtures all over the house. I just simply can't tell you how wonderful they are. Why, they're so easy to clean and relamp that it's fun to do, because Pry-Lites have "snap-up" fronts so you don't have screws or anything to worry about—you'll really like Pry-Lites, Mabel.

Just one more thing, Mabel. The Glomaster infra-red heater in our bathroom is a favorite of the whole family. My husband says, "Our Glomaster proves that it takes more than plumbing to make a good bathroom." Isn't that cute, Mabel?

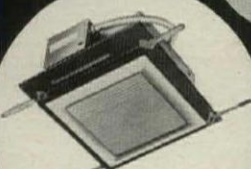


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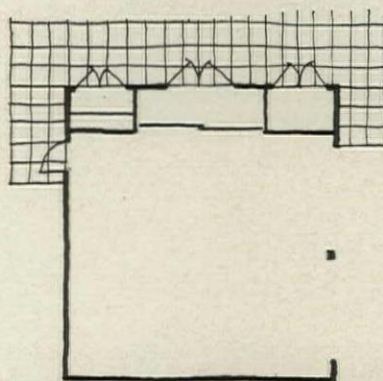
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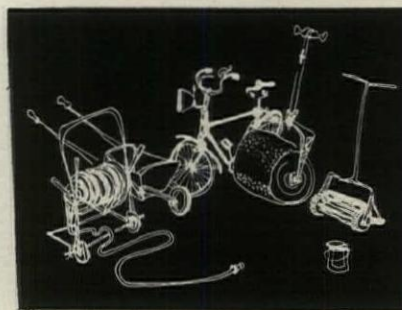
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THE GARAGE, continued from page 125

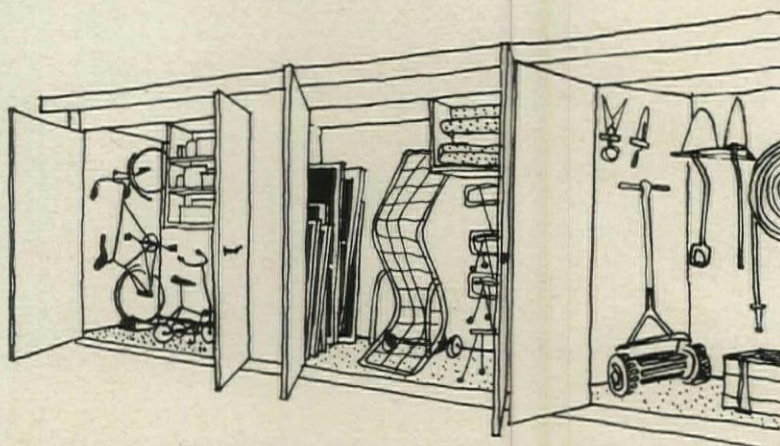
**Storage space and a home work-
shop can be handy
companions to your garage**



GOOD: Closets handy to garage and house.



BAD: A clutter of garden equipment, furniture, toys in the garage.



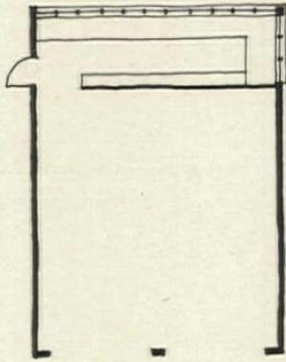
GOOD: Organized storage closets for children's bikes, scooters, terrace furniture, garden equipment, tools.

The garage seems to be a natural catchall. Children's tricycles, bikes, and wagons gravitate to it along with garden hose, lawn mower, garden tools, awnings, window screens, terrace furniture, ladders, etc., etc. Sometimes it is difficult to get your car into the garage at all and, when the garage door is left open, the interior gives an untidy appearance. The solution is to add storage space to the garage. Closets can be built to size for garden equipment, garden furniture and the like. Located at ground level as in the plan at left, they provide much handier storage space than either cellars or attics.

THE GARAGE, continued from page 198

GOOD: Workshop opens to house and garage.

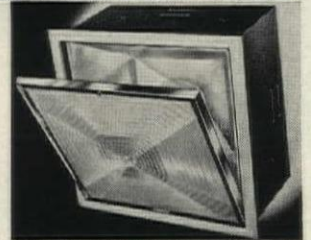
The increasingly popular "do it yourself" activities such as building furniture call for a special work area. A great many hobbyists today struggle along in an inconvenient corner of the garage or in a dark basement. Furthermore, most hobbyists have a highly-developed knack for acquiring new gadgets which, according to them, are essential to some forthcoming project. Some of these gadgets are power tools, and a few of the more elaborate models can take up a surprising amount of space. The result is that matters are apt to get entirely out of hand, and a solution must be found. One of the best ways around the problem is to add a workshop to the garage. Since it should be handy to the house, but not close enough to add clutter, a space alongside the garage is a logical spot. You can either plan to include it in a garage you are going to build, or add it onto your present garage. It should have enough space for the tools and equipment that will go into it, and it should provide plenty of shelves and cabinets for nails, paints, and all the smaller items which are best kept in an orderly fashion. By putting it on a corner of the garage, you can have a lot of window space as in the plan shown here. It can also serve for potting plants, fixing seed flats, and other garden tasks. Tools must be easily accessible, there must be ample counter space, and provision for night lighting.



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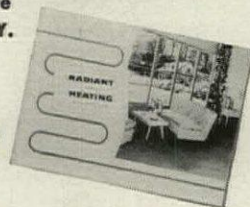
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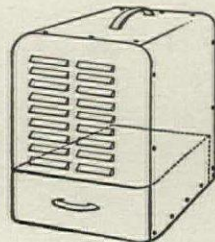
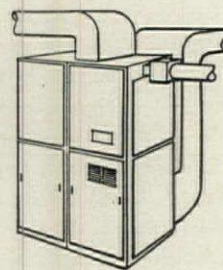
Send for
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COOL OFF, continued from page 126

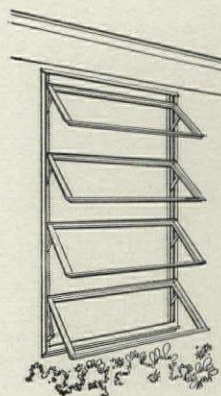
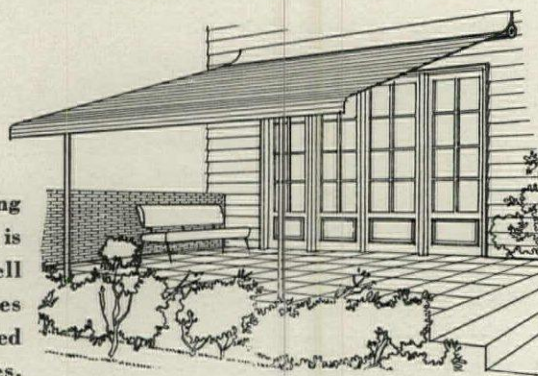
that this incoming air has been cooled by passing over grass and flowers and through trees. Alternatively, the temperature and humidity of the air within the house may be exactly controlled by a mechanical air-conditioning system.

- Year-round air-conditioning units circulate warm air in winter. In summer they cool, dehumidify the air.



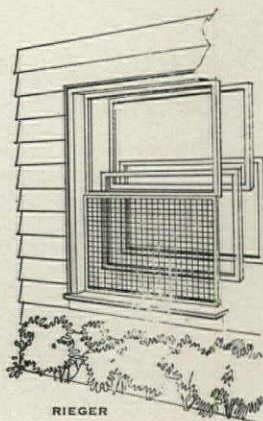
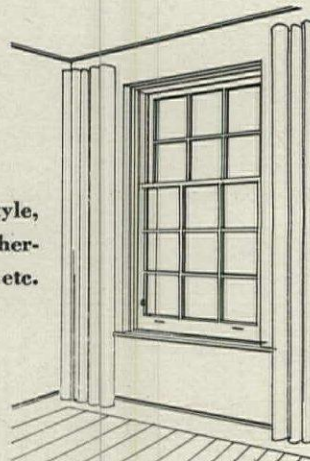
- A portable electric dehumidifier. Water extracted from air is caught in removable drawer container at bottom.

- A roll-up awning of aluminum slats is weatherproof, well adapted to homes with hot, unshaded masonry terraces.



- Awning windows, now effectively weatherstripped, give good ventilation, can be safely left open during rain.

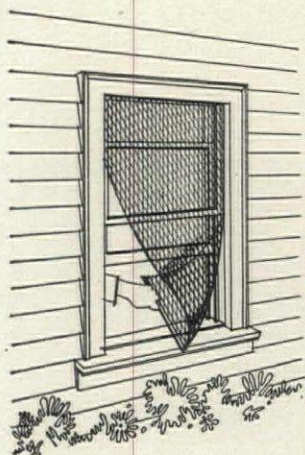
- A favorite Colonial style, but with the latest in weatherstripping, spring balances, etc.



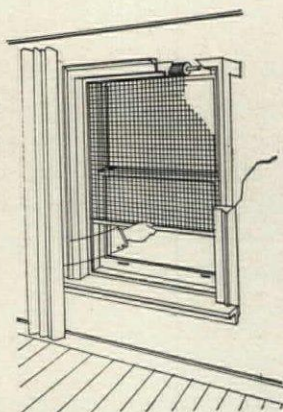
- In this window, storm sash, screen stay on year-round, adjust for draft-free ventilation.

RIEGER

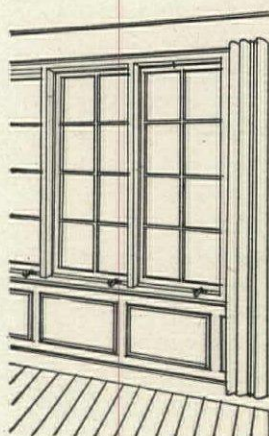
- When not required, this built-in screen can disappear just like a well-mannered roller blind.



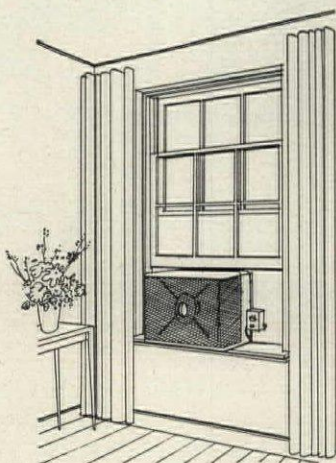
- This frameless screen can be unhooked for window cleaning, taken down, rolled up for winter storage.



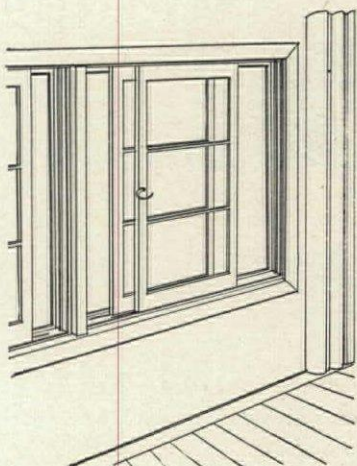
- Cool nights for summer renters. An exhaust fan in bedroom hall window is easily, impermanently installed.



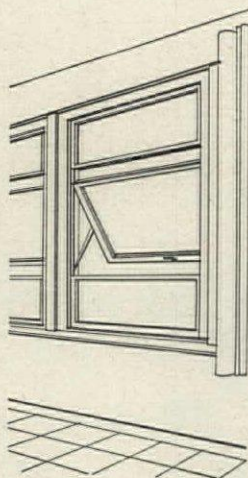
- Traditional casement windows may be lined up for a view and the 100% opening for which they are renowned.



- Projected windows deflect incoming air upward to avoid draft, are often combined with in-opening vent below.



- These windows slide horizontally on a plastic track at the window sill. Windows can be lifted out from the inside for quick, effective cleaning.



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BATHROOMS, continued from page 139

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QUIET AND PRIVACY: Acoustical wall and ceiling tiles, wall insulation, sound-absorbing closets around bath walls all help to noise-proof them. New plumbing fixtures are also quieter in operation.

FIXTURES AND ACCESSORIES: New lavatories, tubs, showers, and smaller equipment are more useful, colorful, and decorative. Some of the new space-makers and improvements are shown in detail on these pages.



New bathrooms are decorative, avoid the clinical look

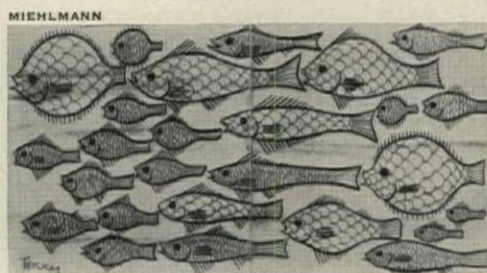
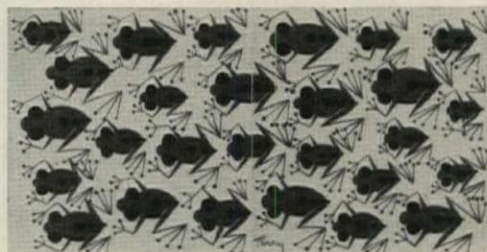
Picture wall decorates this counter lavatory. The movable lights illuminate both pictures and mirror. This dressing room overlooks a terrace. Both tub and toilet are in compartments. Architects, Clifford-Lindstrom.



A new towel ring, new wall tiles add individuality to the bathroom

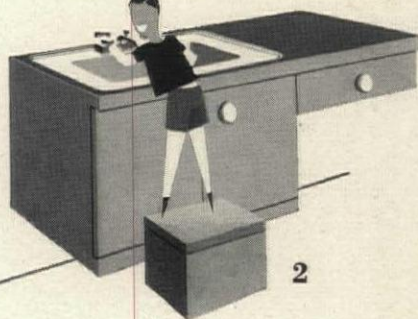
This new chrome towel ring has a stirrup shape. It holds a bathroom towel flat against the wall. 1. Towel holders of this type are also made circular. They have the advantage of providing each member of the family with an individual towel rack.

2. Ceramic tiles can add both pattern and color to the bathroom. They can be used for details as well as for large areas. You can use a row of them as a splashboard behind a countertop lavatory or around the enclosed sides of a tub. They can also line a shower compartment or a tub alcove or cover an entire wall. The two patterns shown here are by Terry. The delightful top one is an over-all design of frogs in green and white. The second pattern is in beige and white, has an amusing variety of fish swimming.

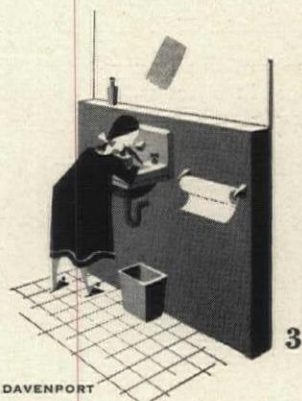




1



2



3

DAVENPORT

MORLEY BAER



Bathroom-dressing room is divided into compartments

High windows light this dressing table-lavatory without sacrificing privacy. The tub and shower have a glass enclosure, and the toilet is in a compartment. This house in California was designed by Jon Konighofer.

Don't forget the children in planning a new bathroom

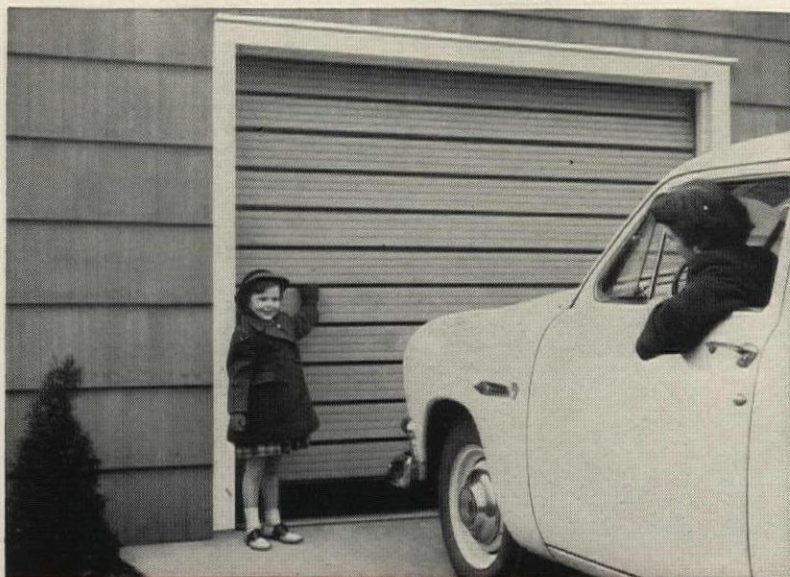
1. You can have an additional shower head installed over your tub (or in the shower) for young children. Placed at a suitable height for them, it may prevent accidents. (It is also possible to bathe the baby in a shower cabinet. A canvas enclosure and a spray hose are used.) A grab bar is a good safety measure and should be long enough for children and adults; try a towel bar installed vertically.

2. A step-up stool will let juniors enjoy a new counter-top lavatory also. It would be easy to make one to match this ready-made wood cabinet which has a porcelain-on-steel lavatory, a plastic top counter. There are three storage shelves in this cabinet and an additional hamper-dressing table stool which fits under the accessory drawer and has a hinged seat.

3. Adding a dental lavatory as a small child's wash basin is a good idea. It is the right size for children and should be placed on the wall at a suitable height. A roll of paper towels placed low enough for children saves laundry. For tidiness put a waste basket close at hand.

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GOOD LIGHTING IS PART OF GOOD LIVING,

continued from page 142

island of light on the rug which draws people together for conversation. The shade should be large to reduce the brightness per square inch. A low lamp (below eye level) can form the focal center of another group. For comfortable use, a lamp shade should be: (1) high, with the light bulb placed inside it so any direct glare is out of your range of vision or (2) low, with the light bulb in a low position but shielded from view. The first creates a steep cone of light in the room, the second a wide cone of light. A translucent shade must be dense enough so it is less bright than the table or rug below. Use an opaque shade where you deliberately want to direct light onto the table or rug. Shields, sunk below the top of lamp shades, aid such reflection and control uplight. Uplight is the most common fault of table lamps. As these are usually placed near the wall, the open top of the shade lets out a distracting splash.

A painting, sculpture, or group of plants can also be a center of focal glow. Usually the wall around a painting receives light to show the painting honestly—oil on canvas hung on a wall. For focal attention, the light on the canvas should be stronger than on the surrounding wall. One or two soft-edge spotlights or a soft-edge strip light (recessed or exposed) will accomplish this. Pictures are usually painted indicating light from above, so they should be lighted from a source placed well above the top edge of the picture. This eliminates reflected glare from glass or "bloom" from an oil surface, both of which rob a picture of color. An incandescent light source is better than fluorescent because our eyes have learned to accept its distortion.

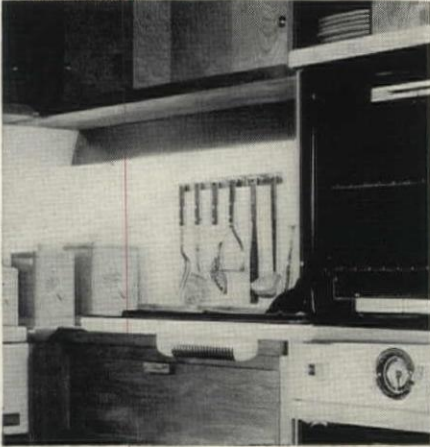
Spotlights, if well placed, can light up sculpture and reveal its character in form, shade, silhouette, or shadow. Usually two or more

Continued on page 212

SHULMAN

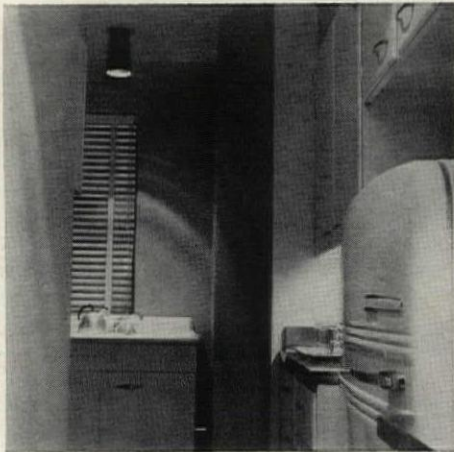


TOM LEONARD



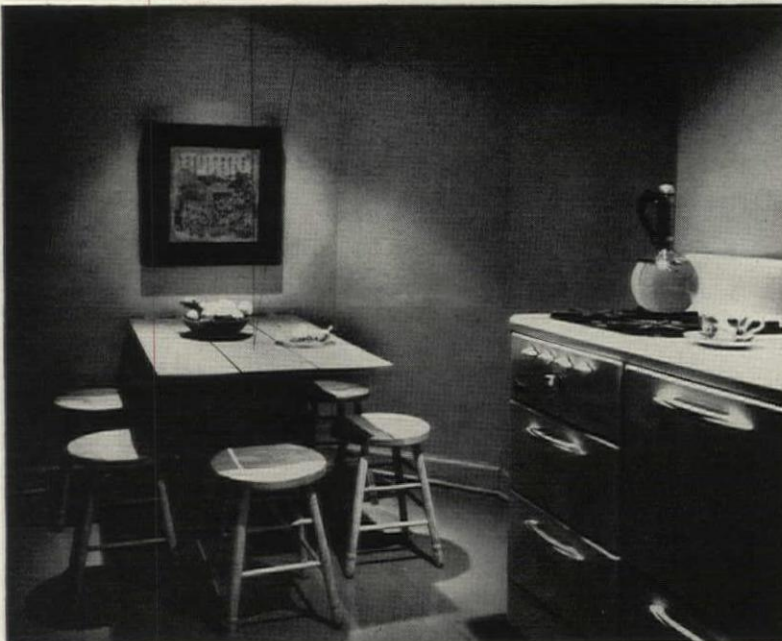
A shielded fluorescent tube lights the counter in this kitchen. Placed directly under the wall cabinets, it throws light onto the work surfaces where it is most needed. The old-fashioned kitchen usually had one central ceiling light which cast shadows onto the counters.

SCOTT HYDE



A single spotlight in the ceiling of this same kitchen directs a beam straight down onto the sink. Since kitchens are designed primarily for convenience and efficiency, focal glow is very important.

PETER PERRI

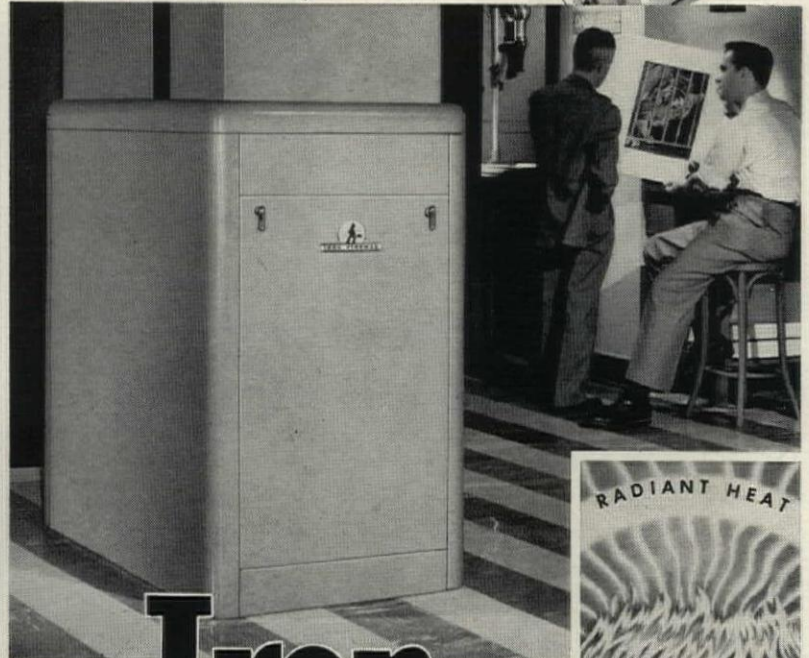


One soft-edged circle of light spreads over the table and chairs, another over the range. Both come from lighting fixtures in the kitchen ceiling. These fixtures are fitted with special louvers which shield the bulbs and kill excessive glare.

Opposite:

Glass window walls require light outside as well as inside. The terrace shown at left is lighted from above. This leads the eye outdoors, prevents the window wall from becoming a black mirror. Cove over fireplace gives room indirect light.

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Compact, fast heating boilers for hot water, steam, or radiant panel heating. Capacity range accommodates any home from very small to very large.



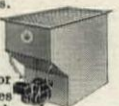
HORIZONTAL OIL FURNACE



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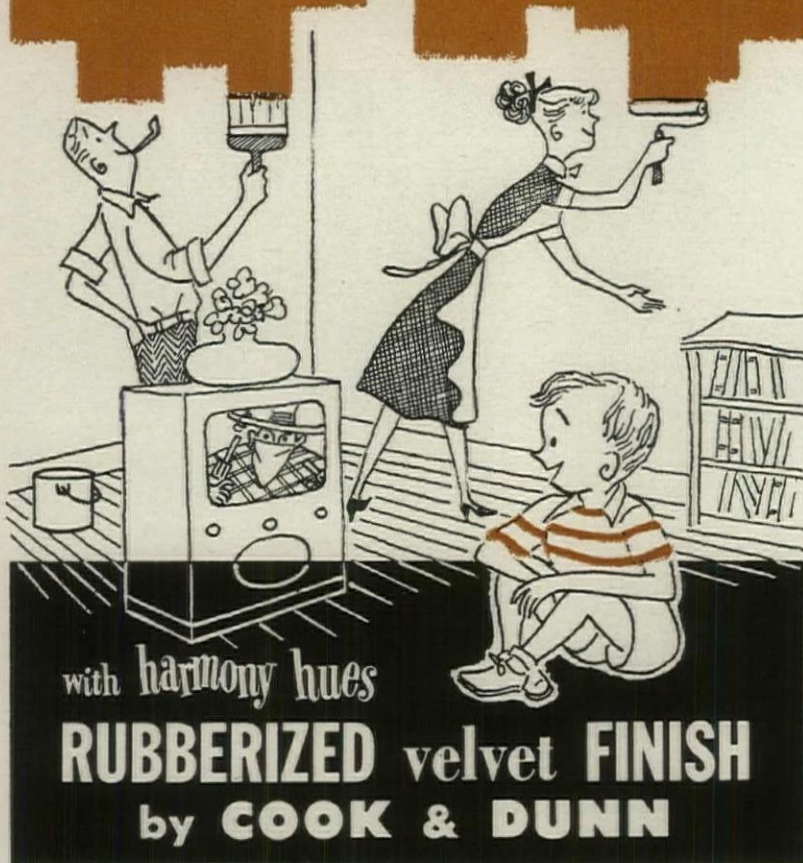
OIL FLOOR FURNACE

Iron Fireman floor and wall furnaces are available with thermostat control for completely automatic heating. Electric ignition eliminates smoky, inefficient pilot flame. Gravity or forced air circulation.



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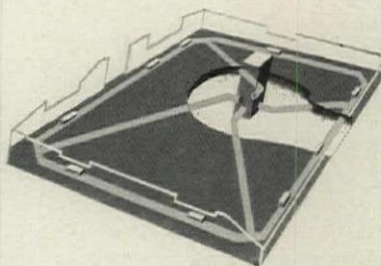
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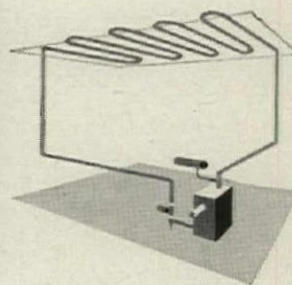
City & State.....

MODERN HEATING, continued from page 147

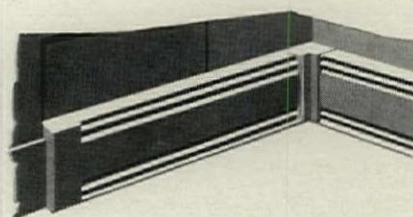
Inconspicuous heating in floors,
ceilings, or walls
replaces bulky radiators



Concealed in concrete floor slab, metal ducts around perimeter of house carry warm air from central furnace. Registers under windows distribute the heat, are the only visible equipment.



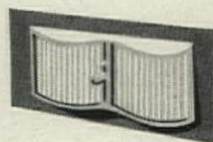
Heating coils in ceiling are hidden from view. Hot water circulating from boiler through coils warms ceilings which become radiant-heating panels. They can also be installed in concrete floors.



Metal baseboard heating units, installed on outer walls of rooms, look like wood baseboards. Warmth comes from hot water circulating through them from boiler. They steal no furniture space from the room, and they warm both walls and floor.



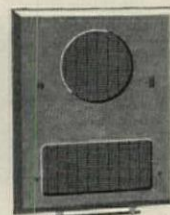
Convectors are sleek cabinets which can be recessed in wall. Heating units inside circulate hot water or steam from boiler. Air enters bottom of cabinet, is heated by unit, exits via top grille.



Wall registers diffuse warm air from furnace. A register placed high on wall does not interfere with furniture. Placed low, it warms windows.



WALTER HORTENS



Electric heating panels need little space, operate by switch, do away with other equipment. With automatic thermostat, they heat one room or whole house. Panel, left, distributes heat by circulating fan. Glass panel, far left, provides radiant heat.

are heated by hot water circulating through them from the boiler. Some types also heat the air. Air enters the baseboard and emerges through slots after being warmed. Baseboard heating is adaptable to old or new houses and can heat the whole perimeter of the house, giving remarkably even heat. It takes up no wall space required for furniture.

Q. Doesn't warm-air heat require a lot of space to accommodate heating ducts?

A. There is a new warm-air heating system which embeds the heating ducts in the concrete slab of the house. Called perimeter heating, it loops heating ducts around the outer edges of the floor slab, connects them to a centrally located furnace. Floor or wall registers are cut into the ducts under the windows to deliver a blanket of heat where it is apt to be coldest. This method is being widely applied to many houses. It has the advantage of providing some radiant heat from the floor slab and some warm-air heat from the registers, and it provides filtered air. It is also used in houses with "crawl space" under them, can be put in older houses with basements; ducts 4" or less in diameter can be used.

Q. Is year-round air conditioning in general use for houses?

A. It is an increasingly important consideration in houses built for owners or for sale. This is particularly true in the South and Southwest. Development houses selling for as little as \$12,500 have included summer cooling recently. And the tremendous national sales of room-cooler units indicate a desire for the kind of summer comfort in homes that people take for granted in stores, restaurants, and theaters. Installed in houses, air conditioning would circulate air that is warm or cool, cleaned, humidified, or dehumidified as needed. It would certainly affect the design and construction of new houses. If windows didn't have to open and no cross ventilation were necessary for indoor comfort, a house might be simpler in plan and structure. The psychological hazard of a sealed house is still a factor, however.

Q. What is a "heat pump"? I hear that heat out of the ground, air, or water can warm your house?

A. The heat pump is another heating and cooling method which, long discussed, is now in actual use in some parts of the country. It taps heat which is present in the ground, air, or water and brings it indoors to heat the house in winter. In summer, it reverses the cycle and removes heat from the house. The heat is transferred through a refrigerant gas with the help of compressors, fans, and condensers. The initial cost of a heat pump has been brought in line with comparable air conditioning but installation cost, like other new devices, may be high.

Q. What about electrical heating?

A. Many houses are already using electric heat. Wall heaters and panels are used for auxiliary warmth or for the whole house and electrically-heated panels or cables are installed in walls and ceilings. Where power is easily available, electric rates are favorable to this heating method. It is clean, since there is no fuel; it costs little to install since it needs no chimney, ducts, piping, furnace, boiler, etc. Electric

Continued on page 213

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KITCHEN, continued from page 133

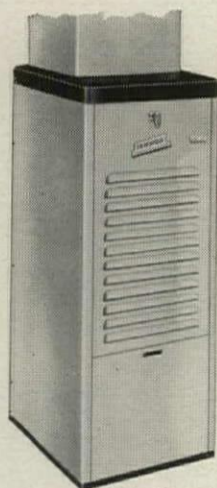


In the cooking center, everything you need is within easy reach. Production line moves logically from the sink to the work counter, to the stove, to the assembly counter.

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The kitchen is near the children's play yard so that mother is within easy reach during the day. The oven is big enough to hold a 20-pound turkey. Cabinets hold cooking utensils.



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The recessed lights underneath the wall cabinets focus light directly onto the work surfaces. All of the countertops are made of easy-to-clean plastic in dove-gray linen pattern.

Building data for houses

HOUSE NO. 1, continued from page 33

FOUNDATION: Concrete block. EXTERIOR WALLS: Shrimp color brick—National Brick Co. ROOF: Hand-split shakes. INSULATION: Rock wool batts and reflective type aluminum foil—Johns-Manville Corp. DOORS: Morgan Sash & Door Co. WINDOWS: Morgan Sash & Door Co. GLASS: Plate and "Thermopane" insulating glass—Libbey-Owens-Ford Glass Co. FIREPLACE: Marble hearth; damper—Colonial Fireplace Co. INTERIOR WALLS: Plaster—U. S. Gypsum Co.; wood paneling in porch. FLOORS: Herringbone cork tile—Kentile Inc. HARDWARE: Folger Adam, Lind Hardware Co. INTERIOR PAINTS & STAINS: Pratt & Lambert, Inc., Samuel Cabot, Inc. LIGHTING FIXTURES: Garrison Lighting Fixture Co. HEATING: Forced warm air. FURNACE—General Electric Co.; controls—Minneapolis-Honeywell Regulator Co.; water heater—Crane Co. BATHROOM PLUMBING FIXTURES: Crane Co. KITCHEN EQUIPMENT: Cabinets—custom made; countertops—Formica; dishwasher, range, refrigerator, fan—General Electric Co. LAUNDRY EQUIPMENT: Washing machine, drier, ironer—General Electric Co. CONTRACTOR: Walter Anderson.

HOUSE NO. 2, continued from page 37

FOUNDATION: Concrete. EXTERIOR WALLS: Clapboard. ROOF: Tar and gravel—Flintkote Co. INSULATION: Ceilings, aluminum reflective type—Infra Insulation, Inc. DOORS: Flush type; garage door—Overhead Door Corp. GLASS: Libbey-Owens-Ford Glass Co., Mississippi Glass Co. FIREPLACE: Richmond Brick Co.; damper—Richardson Co. INTERIOR WALLS AND CEILINGS: Wallboard—U. S. Gypsum Co.; grass cloth covering—Kneeder-Fauchère. FLOORS: Asphalt tile—Armstrong Cork Co. HARDWARE: Locks—Schlage Lock Co.; sliding door hardware—Grant Pulley & Hardware Co. EXTERIOR PAINTS AND STAINS: W. P. Fuller & Co., Berry Bros. INTERIOR PAINTS AND STAINS: W. P. Fuller & Co. LIGHTING FIXTURES: Boyd Lighting Co., Presteel Co. HEATING: Hot water radiant panel; controls—Minneapolis-Honeywell Regulator Co., Mercoid Corp.; water heater—Day and Night Co. BATHROOM PLUMBING FIXTURES: American-Standard. KITCHEN EQUIPMENT: Sink—American-Standard; dishwasher—General Electric Co.; range and oven—Thermador Electric Mfg. Co.; fan—Pryne & Co., Inc. LAUNDRY EQUIPMENT: Washing machine, drier—General Electric Co. INTERIORS: W & J Sloane. LANDSCAPE ARCHITECTS: Eckbo, Royston & Williams. LANDSCAPE CONTRACTOR: Vistica and Son. CONTRACTOR: Oscar and Howard Cavanaugh.

HOUSE NO. 3, continued from page 39

FOUNDATION: Concrete. EXTERIOR WALLS: Redwood, native stone. ROOF: 3-ply composition covered with crushed rock—Flintkote Co. INSULATION: Roof, insulating board—Celotex Corp.; walls, reflective type—Alfol Aluminum Co. DOORS: Steel—Aer-Lite Door Mfg. Co. WINDOWS: Projecting and casement—Druwhit Metal Products. GLASS: Plate and obscure—Libbey-Owens-Ford Glass Co., Blue Ridge Glass Corp. FIREPLACE: Native stone and Roman brick; damper—Donley Bros., Co. INTERIOR WALLS: Redwood and stone in living-dining areas; plaster in bedrooms and kitchen—U. S. Gypsum Co.; "Kalistron" in baths—U. S. Plywood Corp. FLOORS: Colored concrete, "Flexachrome" tile—Tile-Tex Co., Inc. HARDWARE: Schlage Lock Co., Oscar C. Rixon Co., Grant Pulley & Hardware Co., Colonial Brass Co. EXTERIOR AND INTERIOR PAINTS AND STAINS: W. P. Fuller & Co. LIGHTING FIXTURES: Kurt Versen, Ledlin Lighting, Inc., Pryne & Co., Inc. HEATING: Heaters—Thermador Electrical Mfg. Co.; water heater—Mission Water Heater Co. BATHROOM PLUMBING FIXTURES: American-Standard. KITCHEN EQUIPMENT: Dishwasher—General Electric Co.; garbage disposer, "Waste King"—Given Mfg. Co.; range and oven—Western Stove Co.; refrigerator—General Electric Co.; fan—Westinghouse Electric Corp. CONTRACTOR: H. H. Foster and Orlan R. Andrews.

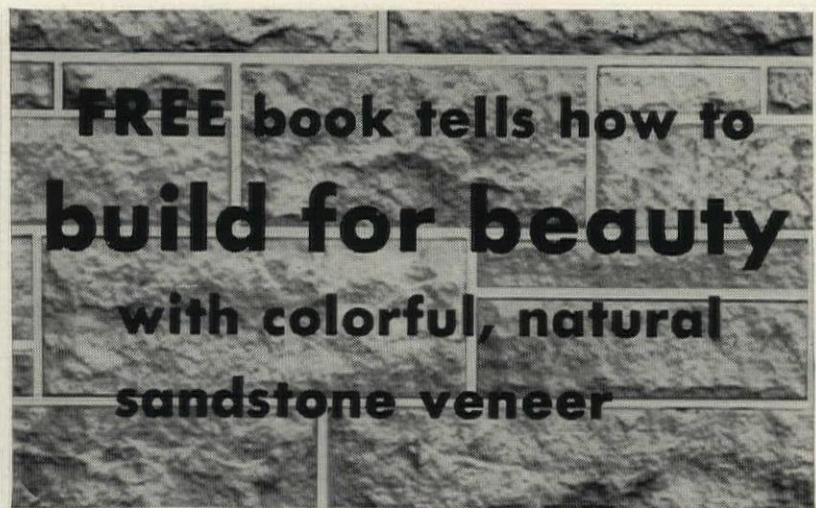
HOUSE NO. 4, continued from page 41

FOUNDATION: Stone. EXTERIOR WALLS: Brick—Philadelphia Brick Co.; painted with cement paint—Medusa Portland Cement Co. ROOF: No. 1 Royal Red Cedar Shingles—Creo-Dipt Co., Inc. INSULATION: 4" batt insulation and quilting—Owens-Corning Fiberglas Corp.; insulating board—Celotex Corp. WINDOWS: Wood; double hung steel sash—Truscon Steel Co. GLASS: Libbey-Owens-Ford Glass Co. INTERIOR WALLS & CEILINGS: Rock lath and plaster—U. S. Gypsum Co. FLOORS: Hardwood—E. L. Bruce Co. HARDWARE: Solid brass—P & F Corbin; special knobs—Peter Guerin Co. FIREPLACES: Marble and brick. WOOD PRESERVATIVE: Wood-Life Protection Products Mfg. Co. INTERIOR PAINTS: M. A. Bruder & Sons. HEATING: Bryant Heater Division, American-Standard. CONTROLS: Minneapolis-Honeywell Regulator Co. WATER HEATER: John Wood Mfg. Co. DEHUMIDIFIER: Frigidaire. PLUMBING FIXTURES: American-Standard. KITCHEN EQUIPMENT: Custom-made cabinets; linoleum countertops—Armstrong Cork Co.; dishwasher—Hotpoint Inc.; freezer—Westinghouse Electric Corp.; washer—Bendix; ventilator—Vent-A-Hood Mfg. Co. LANDSCAPE ARCHITECT: Thomas W. Sears.

HOUSE NO. 5, continued from page 43

FOUNDATION: Concrete. EXTERIOR WALLS: Vertical redwood siding over wood studs. ROOF: 4-ply built-up composition. INSULATION: 3" fill of rock wool in walls, 6" fill above ceilings—National Gypsum Co.; aluminum reflective insulation under floors—Reynolds Metal Co., Inc. GLASS: Libbey-Owens-Ford Glass Co. FIREPLACE: Brick; damper—The Richardson Co. INTERIOR WALLS: Plaster throughout. CEILINGS: Plaster. FLOORS: All rubber tile over 1/2" plywood sub-floor—R. C. A. Rub-

continued on page 210



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- ★ Shows full-color pictures of attractive stone patterns and tone combinations
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BUILDING DATA, continued from page 209

ber Co. HARDWARE: Schlage Lock Co. EXTERIOR AND INTERIOR PAINTS AND STAINS: W. P. Fuller & Co., E. I. duPont de Nemours & Co., Inc. WATER HEATERS: Hotpoint Inc. BATHROOM PLUMBING FIXTURES: American-Standard. KITCHEN PLUMBING FIXTURES: American-Standard. KITCHEN EQUIPMENT: Counters—Formica; dishwasher—Hotpoint Inc.; range, "Universal"—Cribben & Sexton Co. LAUNDRY EQUIPMENT: Washing machine—Bendix. LANDSCAPE ARCHITECTS: Eckbo, Royston and Williams. CONTRACTOR: L. A. January.

HOUSE NO. 6, continued from page 45

FOUNDATION: Concrete. EXTERIOR WALLS: Pine, "Vaporseal" sheathing—Celotex Corp. ROOF: Cedar shingles. INSULATION: "Fiberglas" batts—Owens-Corning Fiberglas Corp.; "Foamglas"—Pittsburgh Corning Corp. DOORS: Flush panel; garage—Stanley Works, Inc. WINDOWS: Gate City Sash & Door Co.; Andersen Corp. INTERIOR WALLS: "Weldtex"—U. S. Plywood Corp.; "sheetrock"—U. S. Gypsum Co. FLOOR: Asphalt tile—Armstrong Cork Co. HARDWARE: Schlage Lock Co. EXTERIOR STAIN: Samuel Cabot, Inc. HEATING: Radiant copper coils; controls—Minneapolis-Honeywell Regulator Co. BATHROOM PLUMBING FIXTURES: American-Standard. KITCHEN PLUMBING FIXTURES: American-Standard. KITCHEN EQUIPMENT: Range and water heater, "Universal"—Cribben & Sexton Co.; refrigerator, freezer—General Electric Co.; fan—Pryne & Co., Inc. CONTRACTOR: Ryan Associates.

HOUSE NO. 7, continued from page 49

FOUNDATION: Concrete. EXTERIOR WALLS: Pale buff Roman brick—Los Angeles Brick Co. ROOF: Built-up roofing topped by composition gravel. INSULATION: Rock wool batts in walls and ceiling—Johns-Manville Corp. DOORS: Steel frame and sash, specially fabricated—Steelbilt Co. WINDOWS: Steel frame and sash, specially fabricated—Steelbilt Co. GLASS: Polished plate—Libbey-Owens-Ford Glass Co. INTERIOR WALLS: Living room, old pine paneling with edge moulding removed and stainless steel dividing strip inserted between panels; dining room, white cork tile; all other rooms, plaster; wallpaper applied in pantry, bar, and service room. CEILINGS: Dining room, partly dropped ceiling rectangles in plaster covered by linen and framed in redwood; all other ceilings of plaster. FLOORS: Wall-to-wall carpet in living, dining, guest, and master bedrooms; imported cork in bridge and loggia. HARDWARE: Locks—Schlage Lock Co. EXTERIOR PAINT: Linseed oil on redwood trim. INTERIOR PAINT: Pittsburgh Plate Glass Co., W. P. Fuller & Co. HEATING EQUIPMENT: Forced warm air heating system; furnace—Lenox Co.; controls—Minneapolis-Honeywell Regulator Co.; water heater—Day and Night Co. BATHROOM FIXTURES: American-Standard. KITCHEN EQUIPMENT: Range—Western Holly Co.; sink—American-Standard; refrigerators—General Electric Co., Gibson Co.; dishwasher—General Electric Co.; garbage disposer—General Electric Co.; kitchen cabinets, wood, custom-built; counter-tops—Formica; ventilating fan—Pryne & Co., Inc. INTERIOR DECORATOR: Lillian B. Ladd. CONTRACTOR: S. O. Bennett. LANDSCAPING: Planned by designer and owner.

HOUSE NO. 8, continued from page 51

FOUNDATION: Concrete. EXTERIOR WALLS: V-joint, tongue-and-groove red cedar boarding and stone veneer. ROOF: 3-ply built-up roof, white gravel roofing rock. INSULATION: Aluminum accordion type—Infra Insulation, Inc. DOORS: Birch slab doors and sliding doors—Cox & Sons. GARAGE DOORS: Cedar—Frantz Mfg. Co. WINDOWS: Aluminum sliding sash—Glide Windows. GLASS: 4" polished plate—Pittsburgh Plate Glass Co. FIREPLACE: Brick veneer and stone veneer. DAMPERS: Superior Fireplace Co. FLUES: Gladding, McBean Co. INTERIOR WALLS: Redwood boarding cork, "Weldwood" birch veneer—U. S. Plywood Corp.; gypsum plaster—Armstrong Cork Co. CEILINGS: Acoustic tile and acoustical plaster—Armstrong Cork Co. FLOORS: Rubber tile in kitchen and baths—Armstrong Cork Co.; cork in living room and guest rooms—Armstrong Cork Co.; oak parquet in master bedrooms—E. L. Bruce Co. HARDWARE: Door hardware—Schlage Lock Co.; concealed hinges—Soss Mfg. Co. LIGHTING FIXTURES: Flushlights and floodlights—Kurt Versen, Marco Co. HEATING: Hot water system; boiler—General Mfg. Co.; controls—Minneapolis-Honeywell Regulator Co.; water heater—General Mfg. Co. BATHROOM PLUMBING FIXTURES: Crane Co. KITCHEN EQUIPMENT: Sink—Crane Co.; cabinets—Kitchen-Kraft; counters, vinyl on steel—Kitchen-Kraft; dishwasher—Hotpoint Inc.; garbage disposer—In-Sink-Erator; range—Thermador Electrical Mfg. Co.; refrigerator—Westinghouse Electric Corp.; fan—Marco-Filter-Fan. LAUNDRY EQUIPMENT: Washing machine—Hotpoint Inc.; ironer—Thor Corp. INTERIOR DECORATOR: Guy Brink. LANDSCAPE ARCHITECT: R. W. Smith Co. CONTRACTOR: Frederick Zimowski.

HOUSE NO. 9, continued from page 53

FOUNDATION: Concrete. EXTERIOR WALLS: Stone, redwood. ROOF: Cedar shakes. INSULATION: Rock wool. INTERIOR WALLS: Plaster. DOORS: Wood slab, metal. LIGHTING FIXTURES: Solar Lighting. HEATING: Forced warm air, furnace—Payne Furnace Div. of Affiliated Gas Equip. Co., Inc. BATHROOM PLUMBING FIXTURES: American-Standard. KITCHEN EQUIPMENT: Countertops—Formica; dishwasher—Youngstown, Mullens Mfg. Corp.; garbage disposal unit, "Waste-King"—Given Mfg. Co.; range, refrigerator—Philco Corp.; fan—Trade-Wind Motorfans, Inc. LAUNDRY EQUIPMENT: Washing machine—Hotpoint Inc. LANDSCAPE ARCHITECT: Jay Gouch. CONTRACTOR: Byron Vandegrift.

HOUSE NO. 12, continued from page 61

FOUNDATION: Concrete. EXTERIOR WALLS: Red cedar flush siding; Arizona sandstone. ROOF: 3-ply built-up roofing with aluminum coat—Grems Mfg. Co. INSULATION: Rock wool batts in walls and ceilings. DOORS: Flush type in fir and mahogany. WINDOWS: Steel awning type—Fentron Co. FIREPLACE: Arizona sandstone

continued on page 211

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BUILDING DATA, continued from page 210

finish; copper hood over steel hood with insulating material between. INTERIOR WALLS: Plaster, except cedar storage walls. CEILINGS: Plaster throughout. FLOORS: Concrete slab on grade; ceramic tile in bathrooms; asphalt tile in kitchen—Armstrong Cork Co.; "Arlon" wall-to-wall carpet on concrete in balance of house. HARDWARE: Door latches and locks—Schlage Lock Co.; sliding door hardware—Har-Vey Co. LIGHTING FIXTURES: Swivel wall fixtures—Gotham Lighting Co.; flush ceiling fixtures—General Lighting Co.; Presteel Co. HEATING: Hot water radiant system; cast iron pipe in floor, copper pipe in ceiling; boiler, "Arcoliner"—American-Standard; controls—White-Rodgers Co. BATHROOM PLUMBING FIXTURES: American-Standard. KITCHEN EQUIPMENT: Single compartment sink—American-Standard; cabinets—Hotpoint Inc.; dishwasher—Hotpoint Inc.; garbage disposer—Hotpoint Inc.; oven and burner units—Thermador Electrical Mfg. Co.; refrigerator—Frigidaire; fan—Westwind. INTERIOR DECORATOR: Louis Garner Swift. LANDSCAPE CONTRACTOR: Percy E. Williams. GENERAL CONTRACTOR: Lagerquist Brothers, Inc.

HOUSE NO. 13, continued from page 63

FOUNDATION: Reinforced concrete. EXTERIOR WALLS: Painted clapboards. ROOF: "Williamsburg" shale tile shingle—Ludowici-Celadon Co. INSULATION: 2" insulating batts over ceilings—Owens-Corning Fiberglas Corp. DOORS: Steel, glazed—Hope's Windows, Inc.; wood, flush type—Roddiss Plywood Corp. WINDOWS: Steel casement—Hope's Windows, Inc. GLASS: 1/4" plate glass and Double Strength "A"—Pittsburgh Plate Glass Co. FIREPLACE: Marble—Vermont Marble Co., dampers, Donley Bros., Co. INTERIOR WALLS: Painted plaster and painted wood paneling. CEILINGS: Plaster. FLOORS: Marble in entrance hall, gallery, and dining room—Vermont Marble Co.; rubber tile in kitchen, pantry, maid's sitting room, and all baths—Hood Rubber Co.; oak parquet in living room, strip oak in all other rooms—Di Natale Floors, Inc. HARDWARE: Satin chrome finish—W. C. Vaughan Co. EXTERIOR PAINTS & STAINS: Clapboard walls, gray; trim, white—The Martin-Senour Co. INTERIOR PAINTS & STAINS: Plaster walls, gray; paneling and trim, white; ceilings, white—The Martin-Senour Co. LIGHTING FIXTURES: Kurt Versen, General Lighting Co.; Century Lighting Co.; Modern Metals. HEATING: Radiant panel forced hot-water system, gas fired. CONTROLS: Minneapolis-Honeywell Regulator Co. BATHROOM PLUMBING FIXTURES: Crane Co. KITCHEN PLUMBING FIXTURES: Pantry, combination sink and dishwasher—Hotpoint Inc.; stainless-steel kitchen sink—Elkay Mfg. Co. KITCHEN EQUIPMENT: Custom-built wood cabinets—A. H. Leeming; counters, teak and stainless steel; dishwasher—Hotpoint Inc.; range, "Universal"—Cribben & Sexton Co.; refrigerator—Frigidaire; drier, "Apex Gas Clothes Dryer"—Apex Electrical Mfg. Co.; fan—Trade-Wind Motorfans, Inc. LANDSCAPE ARCHITECT: Stanley Underhill. CONTRACTOR: O. Ahlberg and Sons.

HOUSE NO. 14, continued from page 65

FOUNDATION: Steel pilings. EXTERIOR WALLS: Concrete block, fixed glass, wood panels. ROOF AND FLOORS: Concrete slabs—Florida Portland Cement. WINDOWS: Aluminum shutters—Clearview Louver Window Corp. GLASS: Libbey-Owens-Ford Glass Co. HARDWARE: Schlage Lock Co. LIGHTING FIXTURES: Lightolier, Inc. BATHROOM PLUMBING FIXTURES: American-Standard. COUNTERTOPS: Tile in kitchen, bath, and dressing room—Mosaic Tile Co. KITCHEN EQUIPMENT: Dishwasher—Hotpoint Inc.; washing machine—Bendix. SWIMMING POOL EQUIPMENT: Belco Industrial Equipment Co. CUSTOM CABINETS: Storage cabinet—Zermann-Acme Granada Shops; wardrobe cabinet, interior wall panels—McClelland Duffy. SCREENING: "Lumite"—Chicopee Mfg. Co. INTERIOR, LANDSCAPE DESIGN, BUILDING: Architects—Rufus Nims & William Jameson.

HOUSE NO. 15, continued from page 67

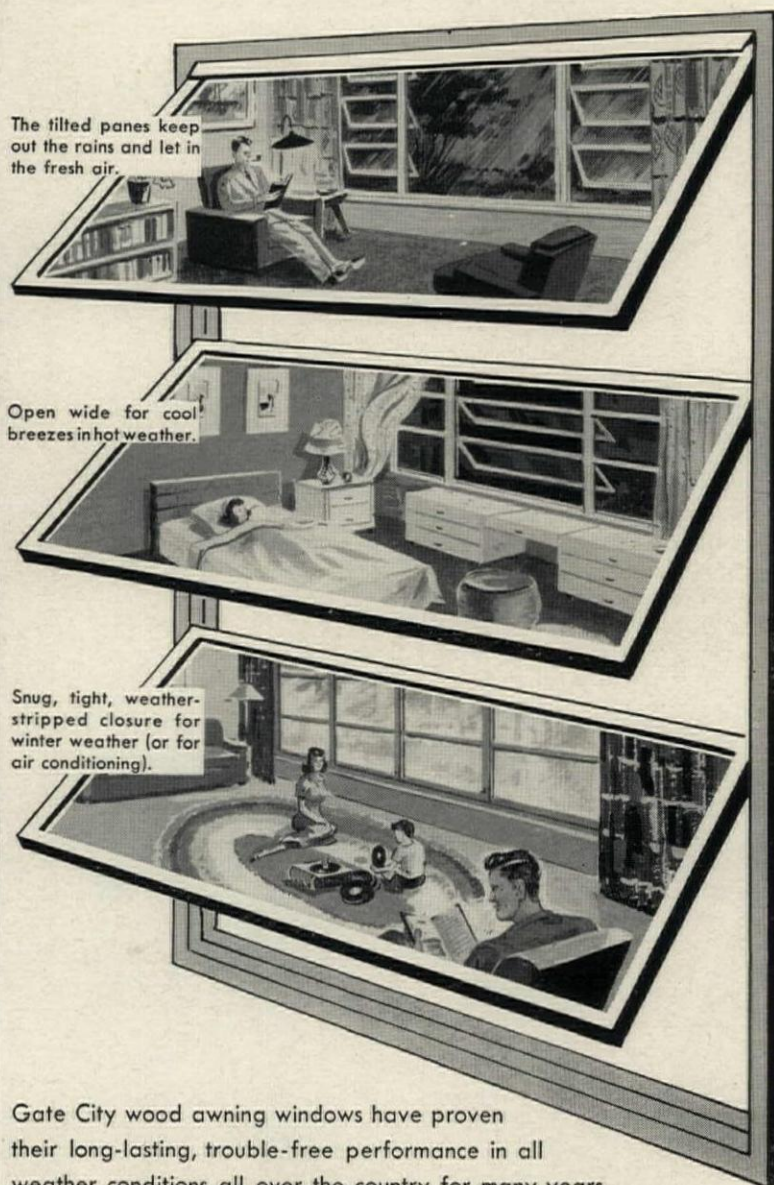
FOUNDATION: Concrete block. EXTERIOR WALLS: Shrimp-colored brick. ROOF: Hand-split shakes. INSULATION: Rock wool batts—Johns-Manville Corp.; aluminum foil. DOORS: Morgan. GARAGE DOORS: Morgan. WINDOWS: Morgan. INSULATING GLASS: "Thermopane"—Libbey-Owens-Ford Glass Co. FIREPLACE: Marble hearth. DAMPER: Colonial Fireplace Co. INTERIOR WALLS: Plaster (except library, paneled in heart pine). CEILINGS: Plaster—U. S. Gypsum Co. FLOORS: Herringbone pattern "Kencork"—Kentile Inc. HARDWARE: Folger Adam. INTERIOR PAINTS AND STAINS: Samuel Cabot, Inc., Pittsburgh Plate Glass Co. LIGHTING FIXTURES: Garrison Lighting Fixture Co. HEATING EQUIPMENT: Forced-air system; gas furnace—General Electric Co. CONTROLS: Minneapolis-Honeywell Regulator Co. WATER HEATER: Crane Co. BATHROOM PLUMBING FIXTURES: Crane Co. KITCHEN PLUMBING FIXTURES: Crane Co. KITCHEN EQUIPMENT: Countertops—Formica; dishwasher—General Electric Co.; garbage disposer, "Disposal"—General Electric Co.; range—General Electric Co.; fan—General Electric Co. LAUNDRY EQUIPMENT: Washing machine—General Electric Co.; drier—General Electric Co.; ironer—General Electric Co. MISCELLANEOUS EQUIPMENT: Ornamental iron and lanterns custom-made—Sternberg Mfg. Co. INTERIOR DECORATOR: Colby's. CONTRACTOR: Walter Anderson.

HOUSE NO. 16, continued from page 69

FOUNDATION: Concrete. EXTERIOR WALLS: Rough-sawn cypress, concrete block. ROOF: Built-up. INSULATION: 1" "Fiberglas" under roof—Owens-Corning Fiberglas Corp. DOORS: Flush panel, birch plywood. WINDOWS: Glass shutters—Protect-U Jalousie Corp. GLASS: 1/4" plate glass—Pittsburgh Plate Glass Co. FIREPLACE: Firebrick and concrete block; "Transite" flue; damper—Bennett-Ireland, Inc. INTERIOR WALLS: Concrete block; birch plywood—U. S. Plywood Corp. CEILINGS: Pine boarding. FLOORS: Terrazzo. HARDWARE: Folding doors—Richards Wilcox Mfg. Co.; hinges—The Stanley Works; locks—Schlage Lock Co. EXTERIOR PAINTS AND STAINS: Pratt & Lambert, Inc. LIGHTING FIXTURES: Wall brackets—Ledlin Lighting, Inc. HEATING: Furnace, "Janitrol"—Surface Combustion Co. WATER HEATER: General Electric Co. BATHROOM AND KITCHEN PLUMBING FIXTURES: Crane Co. KITCHEN EQUIPMENT: Cabinets—Kitchen Maid Corp.; countertops—

continued on page 214

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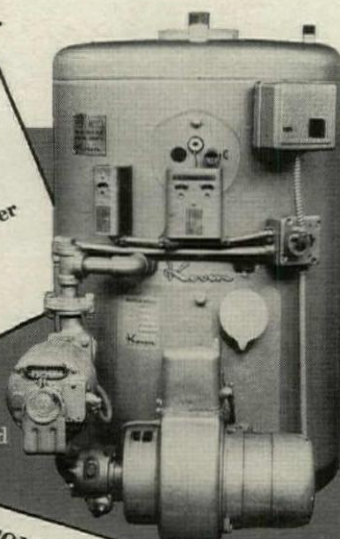
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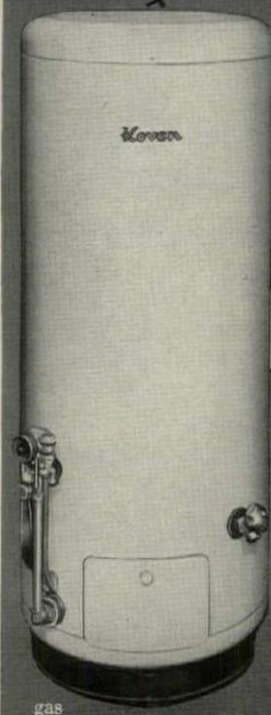
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GOOD LIGHTING, continued from page 205

sources are required, each of different intensity to show up significant detail. The exact direction of light must be tested until you get the effect you want. An important architectural feature, such as a mantel or built-in cabinet can also be emphasized by focal glow. A glass wall needs spotlights on planting or paving outside to lead the eye outdoors by night as well as by day. Recessed or exposed downlights at ceiling level can create a glowing focal accent at a niche or a bay, at changes of floor level, at the top and bottom of stairs, and at important doorways.

Almost all rooms of importance need the softening effect of indirect reflection. Such ambient luminescence produces shadowless light. It minimizes form and bulk, suggests a freedom of space, is reassuring, quieting, restful. By day, light-diffusing curtains at large window walls reflect natural light. It is logical then to use such curtains to diffuse artificial light at night. If the curtains are very translucent, beams of light may be projected through them from behind. Venetian blinds or roller shades on the windows help to reflect this light. If the curtains are heavy, and not translucent, spotlights can be built into the window valance. A lens strip, though more expensive than other light strips spreads the intensity of light toward the bottom of the curtain and the floor so that the top is actually less bright than the bottom. This light is more congenial because the predominant attraction is below eye level. Recessed spotlights can slash light across a curtain effectively and economically.

Where entire walls are covered by painting and pictures, it may be attractive to light the whole collection. Some houses have rooms with such luminescent walls. Rows of spotlights can be mounted or recessed in the ceiling at an angle. From this location light can be graduated by design from ceiling to floor with the greatest intensity occurring at eye level. Another method is to install enough recessed units in the ceiling to focus toward each picture. They partially bathe the wall as well as pictures with light. Bookcases and mural walls can also be illuminated.

The texture of stone, brick, or painted walls sometimes makes them worth special, wall-wide lighting. When a window admits dazzling glare, as in many tall apartment buildings, this glare can be relatively diminished by illuminating the walls around the window. Ceilings were the first areas to be used as light-diffusing surfaces and they popularized "indirect lighting." New and effective equipment has proved, however, that lighting the curtains and walls can create a more pleasing and satisfactory atmosphere. Formal rooms, such as reception halls and some dining rooms, seems best suited to the brilliant, overhead illumination of a brightly-lighted ceiling. Many living rooms need brightness on the ceiling but they almost always require more light on lower surfaces. In abnormally high rooms the use of false, luminous ceilings improves the scale of the rooms. In bedrooms, dressing rooms, and baths particularly, a suspended

ceiling of translucent glass or plastic looks well if the whole surface can light up. Lighted curtains and walls and a light floor, in addition, create a truly luxurious, luminous sort of room.

Lighting for a play of brilliants is usually focused on fine details or accessories—a collection of glass, china, silver, and the like. It emits sharp, bright accents which excite the optic nerves, stimulate the spirit, awaken curiosity. There are many places to make use of it. Small spotlights can be concealed to pick out silver on buffet, breakfront, or table; on old crystal on glass shelves, on an arrangement of antique porcelain. They can also be focused on plant boxes in the edge of a terrace or balcony to transform the plants into a lacy lighted border. Plants can be placed on glass panels in the floor and lighted from below to give brilliance to a quiet room. An antique rock crystal chandelier, candelabra, or pair of sconces can be highlighted by small pin point bulbs to make them glimmer like jewels. There are many individual ways of lighting such objects to bring out their intrinsic character to best effect. Underwater lighting of pools and fountains, spotlighting of shrubbery and trees, the silhouetting of mobiles to catch their ever-changing play of light and shadow are further illustrations. Lighted candles are also excellent examples of the play of brilliants. The sparkle and movement of the flame have real magic. They are especially pleasing reflected in glass walls or against a curtain wall of silk gauze. Mirrors are another good source, particularly when a number of them are used, and sparkling light can be echoed and re-echoed in many facets of the mirrors.

To plan visual beauty by controlling light, it is important to know the psychological effect various light phenomena have on us. This also influences the kinds of lighting which we choose to live with. Response to light stimuli has been studied and there is now much reliable data on habit reaction to weak and strong light, dim and bright light, soft and hard light, light below and above us, warm and cool light. For example: weak light is sometimes comforting where no seeing task demands clear vision. Strong light, used with caution for a short time, is dazzling but does little, if any, physical harm. Habit in reading is conditioned and has gradually changed the real need for more and more intensity of light for average individuals in the last 20 years. Dimness is very often useful in revealing walls and objects without defining them clearly. Relative brightness focuses attention and helps to explain the relative importance of what the eye sees. Extreme brightness has shock value. It acts as a safety warning, creates a feeling of welcome when used at a doorway, and is known to awaken perception generally.

Soft light comes from a large source, is relatively shadowless and produces no distracting shadow edges. It produces less glare (from shiny paper or glass, for example) and is necessary for reading, study, sewing.

(Continued on page 213)

GOOD LIGHTING, continued from page 212

Hard light stimulates more quickly and recreates the real quality of glassware, silver, and other polished metals.

Lights and light reflections *below* eye level almost invariably create an informal reaction in people and are useful to make rooms more intimate. Light surfaces *above* eye level seem to exert restraint and add formality to a room. Warm light is flattering to skin tone, especially when seen against some nearby cool light. Cool light is refreshing to look at. It is particularly flattering to plants as it emphasizes the chlorophyll and minimizes brown defects. Care must be taken in combining warm and cool lights if the resulting effect is to be natural. As a rule, cool

fluorescent light does not mix pleasantly with warm incandescent light.

The power to control these various types of lighting is a great advantage. In addition to switches that allow you to turn light out when not needed, there are dimmers that can regulate the amount of light. A room properly lighted for six persons to see well and feel well is not cozy for one or two persons. If some of the lights are turned off, the character of the room changes and glare usually results from using only one or two lights. Yet a room lighted quietly for two persons is gloomy for 12. A dimmer allows you to raise or lower the lights to enjoy just the degree of light you want.

RICHARD KELLY

HEATING, continued from page 207

panels of glass which give radiant heat have been widely successful and so have fan-circulating heaters.

Q. Are heating controls just mechanical gadgets or do they add to convenience and comfort?

A. They are practically a silent janitor for you because they can run your heating system automatically. Room thermostats turn the burner in your boiler or furnace on or off automatically when the house needs more or less heat. Thermostats equipped with a clock lower the temperature when you are asleep and raise it in the morning. Outdoor controls anticipate weather changes

and automatically adapt the indoor temperature. A thermostat control operates the circulator that moves the hot water through heat pipes or coils. Another control directs the operation of the blower fan that sends warm air through heating ducts. The humidistat controls the amount of moisture in a warm-air heating system. Safety controls shut off dampers, pilot lights, and the like. A newer benefit is the zone control. Each room or wing of a house can have just the degree of heat it needs at all times. Thanks to thermostatic zone control you don't need to heat the whole house equally just to warm one cold room.

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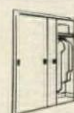
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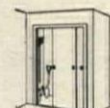
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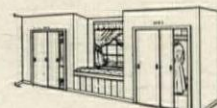
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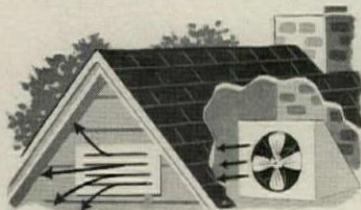
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BUILDING DATA, continued from page 211

Formica; range, oven—Thermador Electrical Mfg. Co.; refrigerator, washing machine, drier—General Electric Co.; fan—ILG Electric Ventilating Co. INTERIORS: Twitchell & Rudolph. LANDSCAPE ARCHITECT: Isabelle Knowl. CONTRACTOR: Associated Builders, Inc.

HOUSE NO. 17, continued from page 71

FOUNDATION: Reinforced concrete—Florida Portland Cement. EXTERIOR WALLS: Tidewater redheart cypress—Tidewater Lumber & Supply Co. ROOF: Built-up tar and gravel—Barrett Div., Allied Chemical & Dye Corp. INSULATION: Impregnated sheathing, "Temlock"—Armstrong Cork Co. DOORS: Flush—The Mengel Co. WINDOWS: Jalousies—Pro-Tect-U Jalousie Corp. GLASS: Libbey-Owens-Ford Glass Co. INTERIOR WALLS: Tidewater redheart cypress—Tidewater Lumber & Supply Co. CEILINGS: Exposed rafters (fir), cypress sheathing. FLOORS: Brick pavers, tile, wood. HARDWARE: Schlage Lock Co. EXTERIOR PAINTS AND STAINS: "Stain-Wax" (natural)—Samuel Cabot, Inc. LIGHTING FIXTURES: Studio of Lighting, BATHROOM PLUMBING FIXTURES: Crane Co., W. A. Case & Son Mfg. Co. KITCHEN EQUIPMENT: Sink—Crane Co.; counters—Formica; dishwasher, "Dishmaster"—Gerrity Michigan Corp.; range—Hotpoint Inc.; refrigerator—Hotpoint Inc. LAUNDRY EQUIPMENT: Washing machine—Bendix. INTERIORS: Contempora. CONTRACTOR: John L. Avant.

HOUSES NO. 18 & 19, continued from page 75

EXTERIOR WALLS: Redwood siding and brick. WATERPROOFING: "Ironite." ROOF: Built-up type—Barrett Div., Allied Chemical & Dye Corp.; roof ventilators, midge louvers. INSULATION: Kimberly-Clark Corp.; U. S. Gypsum Co. DOORS: Paine Lumber Co., Ltd. WINDOWS: Hope's Windows, Inc. GLASS: Libbey-Owens-Ford Glass Co. FIREPLACES: Donley Bros., Co. INTERIOR WALLS: Celotex Corp.; Zonolite Products Co.; "Milcor" steel lath; architectural plywood—U. S. Plywood Corp. FLOORS: Rubber tile, cork tile, asphalt tile—Kentile Inc.; linoleum—Congoleum-Nairn, Inc. HARDWARE: Grant Pulley & Hardware Co., Yale & Towne Mfg. Co., The Stanley Works. EXTERIOR PAINTS AND STAINS: Redwood stain—Samuel Cabot, Inc.; masonry painted white—Sherwin-Williams Co. LIGHTING FIXTURES: Ledlin Lighting, Inc. HEATING: Furnaces—American-Standard; controls—Minneapolis-Honeywell Regulator Co.; water heaters—Hotstream Heater Co.; circulating pumps—Bell & Gossett Co. BATHROOM PLUMBING FIXTURES: Universal-Rundle Corp.; medicine cabinets and chrome fittings—Hall-Mack Co. KITCHEN EQUIPMENT: Cabinets—Lyon Metal Products, Inc.; ranges—General Electric Co.; dishwashers—Hotpoint Inc.; washing machines—General Electric Co.; refrigerators—Crosley; freezers—General Electric Co. SPECIAL EQUIPMENT: Basement fans to cool houses—Reed Co. INTERIORS: Bertha Shaefer. LIGHTING: Richard Kelly. LANDSCAPE ARCHITECT: Boris Timchenko. BUILDER: The Hechinger Co.

HOUSE NO. 20, continued from page 78

FOUNDATION: Concrete reinforced with steel. EXTERIOR WALLS: Concrete blocks reinforced with steel, and poured concrete. ROOF: Built-up composition—Flintkote Co.; heat-reflecting white chip surface. INSULATION: Insulating board—Celotex Corp. DOORS: Redwood veneer slabs—Jordan Sash & Door Co.; steel frame entrance door—Druwhit Metal Products. WINDOWS: Custom-made sliding sash. GLASS: Plate; "Factrolite" glass fence—Libbey-Owens-Ford Glass Co. INTERIOR WALLS: Plaster, concrete block, redwood panels; ceramic tile in kitchen and baths—Cladding, McBean & Co. CEILINGS: Redwood sheathing, plaster. HARDWARE: Interior locks—Kwikset Locks, Inc.; exterior—Schlage Lock Co. EXTERIOR AND INTERIOR PAINTS AND STAINS: W. P. Fuller & Co. LIGHTING FIXTURES: Recessed—Pryne & Co., Inc.; spotlights—Century Lighting Co. HEATING: Forced warm air; furnace—Atlas Cement Co.; controls—General Controls Co. BATHROOM PLUMBING CO. KITCHEN PLUMBING FIXTURES: Sinks—American-Standard. KITCHEN EQUIPMENT: Lavatories—Crane Co.; toilets—American-Standard; bathtub—Kohler. Dishwasher—General Electric Co.; garbage disposer, "Waste-King"—Given Mfg. Co.; range—Thermador Electrical Mfg. Co.; refrigerator—Frigidaire; fan—Trade-Wind Motorfans, Inc. LAUNDRY EQUIPMENT: Washing machine, drier, ironer—Sears Roebuck & Co. SPECIAL EQUIPMENT: Inter-communicating system—Western Electric Co. LANDSCAPE ARCHITECT: Miguel C. LaHerran.

HOUSE NO. 21, continued from page 79

FOUNDATION: Concrete. EXTERIOR WALLS: Rough fir, stained. ROOF: 4-ply built-up, gravel. INSULATION: "Fiberglas"—Owens-Corning Fiberglas Corp. DOORS: Flush birch—Roddie Plywood Corp. WINDOWS: Steel casement—Trimset Corp. GLASS: Libbey-Owens-Ford Glass Co. FIREPLACE: Heatilator, Inc. INTERIOR WALLS: Plaster. CEILINGS: Fir. FLOORS: Asphalt tile—Congoleum-Nairn, Inc. HARDWARE: Schlage Lock Co. EXTERIOR PAINTS AND STAINS: Samuel Cabot, Inc. INTERIOR PAINTS AND STAINS: W. P. Fuller & Co. HEATING EQUIPMENT: Controls—Minneapolis-Honeywell Regulator Co.; water heater—Rheem Mfg. Co. BATHROOM PLUMBING FIXTURES: American-Standard. KITCHEN PLUMBING FIXTURES: American-Standard. KITCHEN EQUIPMENT: Countertops—Formica; dishwasher, range, refrigerator—Hotpoint Inc.; fan—Trade-Wind Motorfans, Inc. LAUNDRY EQUIPMENT: Washing machine, drier—Hotpoint Inc.

HOUSE NO. 23, continued from page 83

FOUNDATION: Concrete. EXTERIOR WALLS: Sand mold brick and hemlock wood siding. ROOF: 5-ply asphalt composition with slag surface—Barrett Div., Allied Chemical & Dye Corp. INSULATION: 3" rock wool in wood walls and roof; in brick wall, "Foamglas"—Pittsburgh Corning Corp. DOORS: Flush panel. GARAGE DOORS: Aluminum—Tilt-A-Door Corp. WINDOWS: Steel casement—Hope's Windows, Inc.;

BUILDING DATA, continued from page 214

awning type in bedrooms. FIREPLACE: Brick face, slate hearth; damper—Donley Bros., Co. INTERIOR WALLS: Brick, wood, plaster. CEILINGS: Plaster. FLOORS: Oak, brick, concrete; rubber tile—Goodyear Tire & Rubber Co., Inc. HARDWARE: Brushed nickel throughout—Schlage Lock Co. EXTERIOR AND INTERIOR PAINTS AND STAINS: The Martin-Senour Co. LIGHTING FIXTURES: Century Lighting, Inc. HEATING: Gas-fired radiant panel; furnace—Penn Boiler & Burner Mfg. Corp. BATHROOM PLUMBING FIXTURES: Kohler Co. KITCHEN EQUIPMENT: Stainless steel sink—Just Mfg. Co.; dishwasher, refrigerator—Westinghouse Electric Corp.; garbage disposer, range—Hotpoint Inc.; fan—Universal Blower Co. LAUNDRY EQUIPMENT: Washing machine, ironer—General Electric Co.

HOUSE NO. 26, continued from page 87

FOUNDATION: Concrete block. EXTERIOR WALLS: Cement plaster over cinder block. ROOF: Cedar shingles. INSULATION: Owens-Corning Fiberglas Corp. GLASS: Pittsburgh Plate Glass Co. INTERIOR WALLS: Plaster. CEILINGS: Plaster. HARDWARE: Solid brass—P. & F. Corbin. EXTERIOR PAINTS AND STAINS: M. A. Bruder & Sons. HEATING: Oil-fired forced warm air; furnace—Lennox Furnace Co.; controls—Minneapolis-Honeywell Regulator Co.; water heater—John Wood Mfg. Co. BATHROOM PLUMBING FIXTURES: American-Standard. KITCHEN PLUMBING FIXTURES: American-Standard. KITCHEN EQUIPMENT: Dishwasher—Hotpoint Inc.; fan—Pryne & Co., Inc.; countertops, "Micarta"—Westinghouse Electric Corp.

HOUSE NO. 28, continued from page 93

SLAB FOUNDATION AND FOOTINGS: Poured Portland cement. FRAMING LUMBER: Weyerhaeuser 4-Square lumber. EXTERIOR WALLS: Exterior sheathing—Johns-Manville Corp.; exterior finish—red cedar bevel siding. ROOFING: Red cedar shingles over wood sheathing. NAILS: Aluminum—Nichols Wire and Aluminum Co. WOOD PRESERVATIVE: "Cuprinol"—Darworth, Inc. FIREPLACE: Brick; fireplace screen, "Flexscreen"—Bennett-Ireland, Inc. INSULATION: Rock wool batts in exterior walls—Philip Carey Mfg. Co.; insulating board on roof and around slab foundation—Owens-Corning Fiberglas Corp. WEATHERSTRIPPING: Exterior doors and louvers—Chamberlin Co. GUTTERS AND FLASHING: Galvanized iron—Werten Iron Co. GLASS: "Twinwall" insulating glass, "Solex" heat resistant glass, mirrors—Pittsburgh Plate Glass Co.; "Factrolite" obscure glass—Mississippi Glass Co. WINDOWS AND SCREENS: Rolscreen Co. SHADES: Columbia Mills, Inc. GLASS DOORS: Glide Windows, Inc. DOORS: Hollow core flush doors and closet doors—Curtis New Londoner Doors; "Modernfold" accordion-type door—New Castle Products; overhead garage door—Crawford Door Co. GARAGE DOOR CONTROL: H. W. Crane Co. INTERIOR WALLS AND CEILINGS: Cedar boarding; plaster—National Gypsum Co.; unglazed clay tile in bathrooms—Mosaic Tile Co.; acoustical tile ceilings—Johns-Manville Corp. FLOORING: Parquet oak blocks—Cincinnati Floor Mfg. Co.; tile floors in bathrooms—Mosaic Tile Co.; "Flor-Ever" plastic tile—Delaware Floor Products, Inc.; kitchen linoleums—Pabco Products; paving—bluestone. HARDWARE: Locks—P. & F. Corbin; front-door lock—Schlage Lock Co.; invisible hinges—Soss Mfg. Co.; cabinet hardware—American Cabinet Hardware Co.; sliding-door hardware—Sterling Hardware Mfg. Co.; closet fixtures—Knappe & Vogt Mfg. Co.; curtain hardware—Kirsch Co.; automatic drapery pulls—Draw-Matic Engineering Co.; LIGHTING FIXTURES: Lightolier Co., Marvin Mfg. Co. WIRING: Remote control system—General Electric Co. CIRCUIT BREAKER: Cutler-Hammer Co. HEATING EQUIPMENT: Hot water floor panel heating system; boiler, "Janitrol"—Surface Combustion Co.; steel pipe heating coils; circulating pumps—Bell & Gossett Co.; controls, thermostats for three-zone control—Mercoid Corp.; outdoor weather control—Bell & Gossett Co. WATER HEATER: Automatic gas heater—Ruud Mfg. Co. WATER SOFTENER: Culligan-Zeolite Co. PLUMBING FIXTURES: Crane Co., American-Standard. BATHROOM ACCESSORIES: Countertop in master bathroom—Vermont marble; countertop in children's bathroom, "Carrara" structural glass—Pittsburgh Plate Glass Co.; medicine cabinet in master bathroom—Charles Parker & Co.; medicine cabinet in children's bathroom—Miami Cabinet Div., Philip Carey Mfg. Co.; accessories—Hall-Mack Co., electrical wall heaters—Electromode, Inc. KITCHEN CABINETS: St. Charles Mfg. Co. LAUNDRY EQUIPMENT: Washer, ironer, drier—Blackstone Corp. COOKING UNITS: Chambers Corp. BUILT-IN REFRIGERATOR: Ultra-Cold, Inc. DISHWASHER: Westinghouse Electric Corp. SINK: Elkay Mfg. Co. GARBAGE DISPOSER: In-Sink-Erator. EXHAUST FAN: Trade-Wind Motorfans, Inc. COUNTERTOPS: Formica. INTERIOR DECORATOR: Melanie Kahane. BUILDER: O & O Construction Co.

HOUSE NO. 29, continued from page 94

FOUNDATION: Concrete. EXTERIOR WALLS: Frame construction, metal pipe columns. ROOF: Built-up roofing; gravel top—Barrett Div., Allied Chemical & Dye Corp. INSULATION: 4" glass wool in walls. DOORS: Birch flush panel. WINDOWS: Steel casements—Hope's Windows, Inc. GLASS: 1/4" polished plate—Pittsburgh Plate Glass Co. FIREPLACE: Pennsylvania face brick; damper—Donley Bros., Co. INTERIOR WALLS: Birch plywood (natural finish), fir plywood (painted); brick; baths, tile at tubs. CEILINGS: Plaster throughout—U. S. Gypsum Co. FLOORS: Asphalt tile—Kentile Inc. HARDWARE: Chrome—Schlage Lock Co. EXTERIOR PAINTS: Lead and oil. INTERIOR PAINTS: Pittsburgh Plate Glass Co.; "Textolite"—U. S. Gypsum Co. LIGHTING FIXTURES: Recessed and brackets—General Lighting Co. HEATING: Oil-fired warm air system—General Electric Co.; controls—Minneapolis-Honeywell Regulator Co.; water heater—General Electric Co. BATHROOM PLUMBING FIXTURES: American-Standard. KITCHEN EQUIPMENT: Cabinets—General Electric Co.; countertops—Formica; dishwasher and range—Hotpoint Inc.; refrigerator—General Electric Co. CONTRACTOR: Custom Builders.

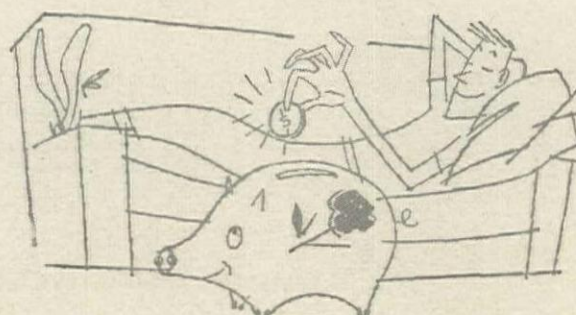
HOUSE NO. 30, continued from page 95

FOUNDATION: Concrete. EXTERIOR WALLS: Stucco. ROOF: Built-up. DOORS: Exterior sliding—Arcadia Metal Products Co.; interior sliding—Woodall Industries, Inc.

continued on page 216

ARTHUR GODFREY explains

How to be
more comfortable
while paying off
the mortgage faster



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BUILDING DATA, continued from page 215

FLOORS: Asphalt tile—Armstrong Cork Co. HARDWARE: Locks—Kwikset Locks, Inc.; knobs—Peabody Co., Inc. EXTERIOR AND INTERIOR PAINTS AND STAINS: Pratt & Lambert, Inc.; HEATING: Furnace—Payne Furnace Div., Affiliated Gas Equipment Co., Inc.; water heater—Mission Water Heater Co. BATHROOM PLUMBING FIXTURES: American-Standard. KITCHEN PLUMBING FIXTURES: American-Standard. KITCHEN EQUIPMENT: Countertops—Formica; garbage disposer, "Waste-King"—Given Mfg. Co.; range—O'Keefe & Merritt Co.; refrigerator—Frigidaire. CONTRACTOR: Joseph Roher.

HOUSE NO. 32, continued from page 101

FOUNDATION: Concrete—Atlas Cement. EXTERIOR WALLS: Wood frame with native stone. ROOF: Built-up—Barrett Div., Allied Chemical & Dye Corp. INSULATION: 4" rock wool "Gold Bond"—National Gypsum Co. DOORS: Wood—U. S. Plywood Corp.; steel—Hope's Windows, Inc. WINDOWS: Project-in, steel casements—Hope's Windows, Inc. GLASS: Plate and insulating glass—Pittsburgh Plate Glass Co. FIREPLACE: Native stone; damper—Donley Bros. Co. INTERIOR WALLS: "Weldtex" and birch plywood—U. S. Plywood Corp.; sheetrock—U. S. Gypsum Co. CEILINGS: Acoustical plaster throughout, "Sabinit"—U. S. Gypsum Co. FLOORS: Slate and asphalt tile—Tile-tex Co., Inc. HARDWARE: Locks—Lockwood Hardware Mfg. Co.; garage—Richards Wilcox Mfg. Co. EXTERIOR PAINTS AND STAINS: Pittsburgh Plate Glass Co. LIGHTING FIXTURES: Amplex Corp., Kurt Versen, General Lighting Co. HEATING: Radiant panel heat in floor; furnace—General Electric Co.; boiler—General Electric Co.; controls—Bell & Gossett Co.; water heater—General Electric Co. BATHROOM PLUMBING FIXTURES: American-Standard. KITCHEN PLUMBING FIXTURES: American-Standard. KITCHEN EQUIPMENT: Sink—American-Standard; refrigerator—Frigidaire; range—Frigidaire; fan—Pryne & Co., Inc. LAUNDRY EQUIPMENT: Washing machine—Easy Washing Machine Corp. INTERIORS, LANDSCAPE DESIGN: E. H. and M. K. Hunter. CONTRACTOR: Charles Fiske.

HOUSE NO. 34, continued from page 107

FOUNDATION: Concrete, no change of existing foundations. EXTERIOR WALLS: Painted brick, painted existing shingles. ROOF: Terrace, garden room, and front porch, corrugated plastic on fir framework—Corrulux Division of Libbey-Owens-Ford Glass Co. INTERIOR WALLS: All old plaster, panels, and beamed ceiling removed; new plaster putty finished. CEILINGS: Same as walls. FLOORS: White oak custom designed parquet floor in living-dining room; terrace of brick; terrazzo panel—Northwest Marble Co. HARDWARE—Schlage Lock Co. EXTERIOR PAINTS: National Lead Co. LIGHTING FIXTURES: Harry C. Lynde Co. HEATING EQUIPMENT: Electric radiant heat—L. N. Roberson Co.; air conditioning—L. N. Roberson Co. LANDSCAPE DESIGNERS: Tucker, Shields & Terry. GENERAL CONTRACTOR: Pierce Construction Co.

HOUSE NO. 36, continued from page 111

FOUNDATION: Stone. EXTERIOR WALLS: Used brick painted with cement paint. ROOF: 24" red cedar Washington shingles—Creo-Dipt Co., Inc. INSULATION: ½" "Celotex" insulating board on all exterior walls, plus 4" of rock wool over all second-floor ceiling joists—Johns-Manville Corp. DOORS: Two-panels—Paine Lumber Co., Ltd. GARAGE DOORS: Overhead—Howell Mfg. Co. WINDOWS: Custom-made double hung wood sash; steel sash—Truscon Steel Co. GLASS: Libbey-Owens-Ford Glass Co. FIREPLACE: Brick with plaster facing; damper—Donley Bros. Co. INTERIOR WALLS: Rock lath and plaster—U. S. Gypsum Co. CEILINGS: Rock lath and plaster—U. S. Gypsum Co. FLOORS: E. L. Bruce Co. HARDWARE: Solid brass—P. & F. Corbin. EXTERIOR PAINTS: Cement paint on brick—Medusa Portland Cement Co.; masonry paints—M. A. Bruder & Sons. INTERIOR PAINTS: M. A. Bruder & Sons. LIGHTING FIXTURES: Sylvania Electric Co. HEATING: Forced warm air; oil-fired furnace—Gar Wood Warm Air Heater; controls—Minneapolis-Honeywell Regulator Co.; water heater, "Timken Oil Fired"—Timken Silent Automatic. BATHROOM PLUMBING FIXTURES: American-Standard. KITCHEN PLUMBING FIXTURES: American-Standard. KITCHEN EQUIPMENT: Wood cabinets, custom made; countertops, "Micarta"—Westinghouse Electric Corp.; fan—Pryne & Co., Inc. LANDSCAPE ARCHITECT: Owen Schmidt. CONTRACTOR: Walter K. Durham.

HOUSE NO. 37, continued from page 113

FOUNDATION: Concrete block. EXTERIOR WALLS: Wood shingles over frame construction. ROOF: Wood shingle. INSULATION: Insulating batts—Owens-Corning Fiberglas Corp. DOORS: Exterior, stock—Morgan Co.; interior, stock flush—Morgan Co.; garage, stock 4-section overhead type—Overhead Door Co., Inc. WINDOWS: Wood double-hung and casements—Andersen Corp. FIREPLACE: Facing and outer hearth, clear black slate, honed finish. INTERIOR WALLS: Porch, "Weldtex"—U. S. Plywood Corp.; other rooms, wallboard—U. S. Gypsum Co. FLOORS: Strip oak. EXTERIOR PAINTS: "Haddam" barn red—Samuel Cabot, Inc. INTERIOR PAINTS: White "Firzite" and "Satinlac" and "Weldtex"—Breinig Bros., Inc. LIGHTING: Antique fixtures—Lightolier, Inc. HEATING: Oil-fired furnace—Armstrong Co. BATHROOM FIXTURES: American-Standard. INTERIOR DECORATOR: Millicent Cushny. CONTRACTOR: Schulz and Pieragnoli.

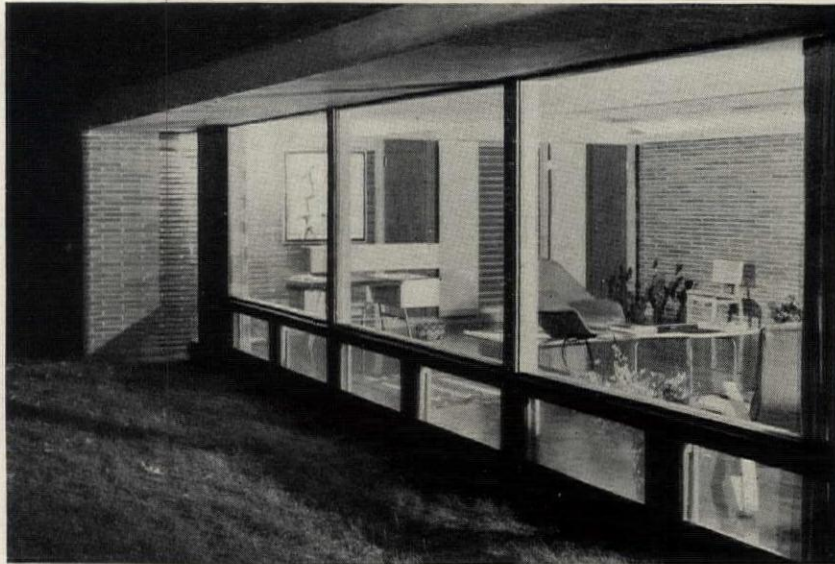
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How to light your house

Good lighting can make the difference between a cheerful, easy-to-live-in house and one that is dreary and inconvenient. It can also influence your own personal moods: bright lights seem to encourage a party spirit, soft ones complement a quiet evening alone. As you check the lighting in your house, be sure it is both general (to cast a glow, for example, over a whole room), and specific (to spotlight a work center, play up an art object, or perhaps to dramatize the garden).



Indoor-outdoor lighting: good general and specific lighting inside, and recessed spotlights outside, above the window-wall frame, dramatize both room and garden after dark. Henry L. Kamphoefner was the architect.



SHULMAN

Recessed ceiling light in foyer, left, makes a bright and cheerful entrance. Glass divider separates this from living room, where light trough on the wall casts soft, general illumination upwards, directs reading light downwards.

SCOTT HYDE

Lift-and-lower light on a flexible cable can be adjusted to any height. Pushed up, it is good general lighting; pulled down nearer to the table, it is at correct reading height. Designed by Richard Kelly.

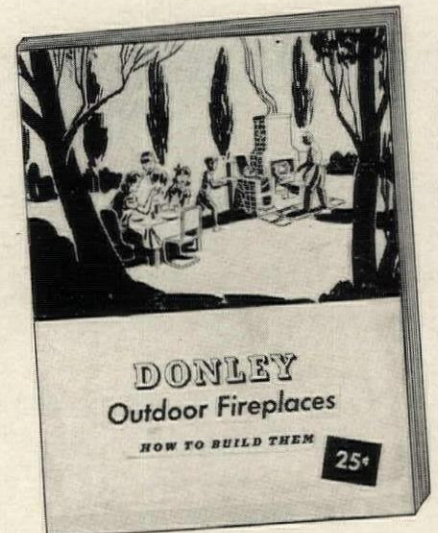
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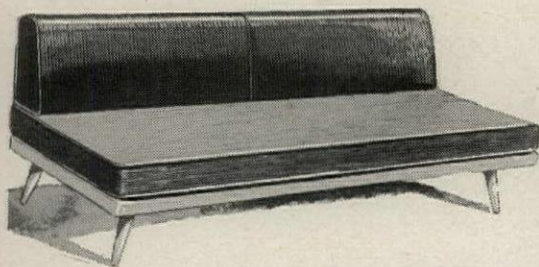
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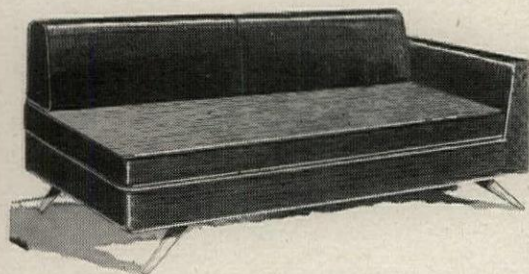


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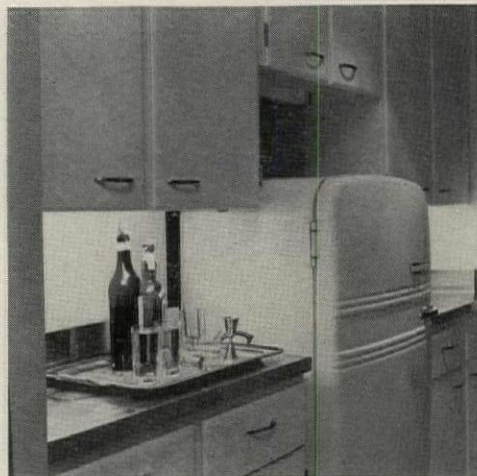
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HOW TO LIGHT, continued from page 217



Fluorescent tubes, under kitchen cupboards, throw light down on countertops where it is needed. This kind of specific lighting makes it easy to see what you are doing. Richard Kelly, designer.

Spotlights above range, sink, and work-space make a kitchen more efficient: you never work in your own shadow, and you can concentrate light where you are working. This and room on next page were designed by Henry L. Kamphoefner.

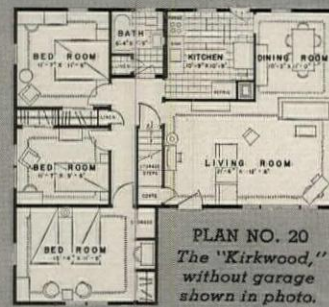
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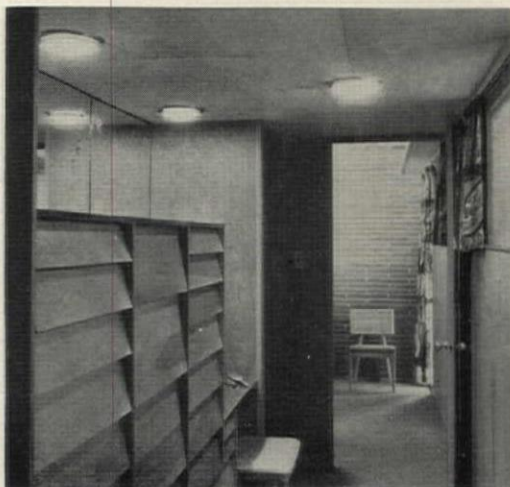
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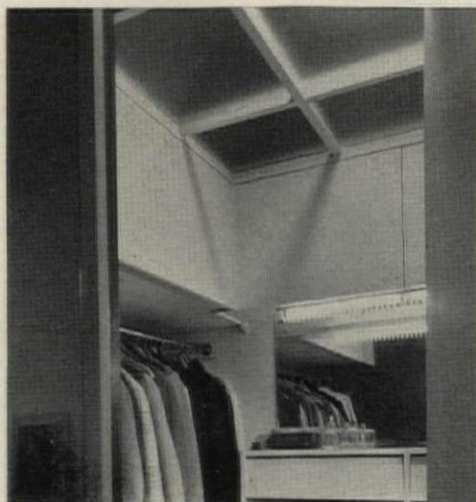
HOW TO LIGHT, continued from page 218



Ceiling spotlights in dressing room-hall are flush with the ceiling (no dust-collecting edges) to throw light down on drawers and dressing table. By such careful planning and lighting, a big, dark hall can be made more useful, practical.

KERTESZ

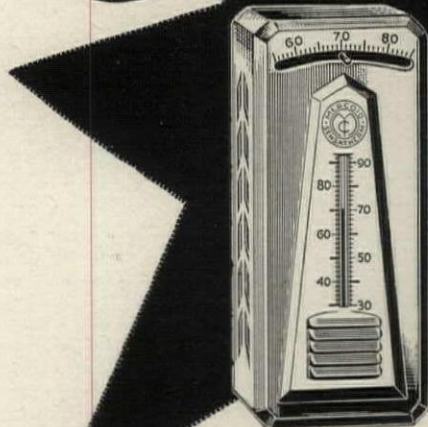
Fluorescent tube lighting with reflector, above mirror, plus light in ceiling for general illumination in a pleasant dressing room-closet makes it easy to see, easy to keep things in a neat and orderly way.



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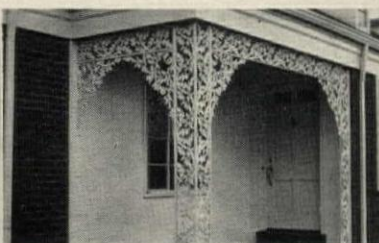
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Alternating plate glass panels and glass jalousies form a ventilating window wall the full length of the house, giving all rooms a view. A simple crank turn opens jalousies for any degree of air desired. Architects: Twitchell & Rudolph.



Fixed window wall seems to include an azalea-lined flagstone terrace in the indoor dining area, enlarging and beautifying the room, and also flooding the room with light. A terrace door opens at the right. Architect: The Architects Collaborative.

Continued on page 221

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Double windows that are easy to install slide on a horizontal track to admit air at the nook end of the kitchen. When completely open, one pane covers the other without reducing the light or view. Screens can be fitted outside. Architect: Perry M. Duncan.



KERTESZ

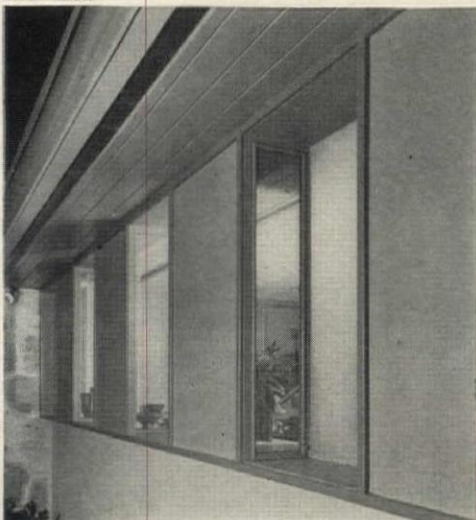


Wide picture window in the living room of a re-modeled house incorporates two built-in units: an enclosed radiator at the base to produce a blanket of warm air over the surface of the glass, and a frame at the top to hold split bamboo shades, strip lighting fixtures for light control. Architect: Marcel Breuer.

Awning windows, opening in a bank, flank a picture window to combine view and ventilation. They may be left open for air during storms, and can be cleaned easily from the inside. Architects: Wyeth, King & Johnson.



RUDI RADA



Vertical louver windows, lining recessed sections of the front wall of the house, admit light and air but shield interior from street view. Storage cabinets may be built underneath on the inside. Architect: William E. Kittle.



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INSULATION, continued from page 149

EASIER MAINTENANCE

Not only are drafts injurious to health but they also are carriers of dust and dirt. A well-insulated and weather-stripped house is, therefore, a cleaner house and one easier to keep in top-notch condition. Framing shadows on walls and ceilings which occur when walls are located between heated and unheated areas are also eliminated since all interiors are snug, all walls and ceilings heated or cooled to the same degree.

ACOUSTICAL PROPERTIES

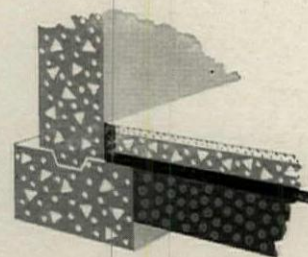
In these days of tension and tired nerves most of us are conscious of the importance of quiet within our homes, our last havens of peace. Many types of insulation, because of their porous construction, have sound deadening and sound-absorbing qualities. Because of them noises from the outside world are kept from penetrating into our rooms, and sound between adjoining rooms may be kept at a minimum. They are also useful in absorbing sound that leaks through joints or cracks, a phenomenon caused by drying or shrinking of a structure. Decorative insulating tiles or insulating plaster also are important contributions towards deadening clatter within a room.

EXTRA COMFORT AND HEALTH

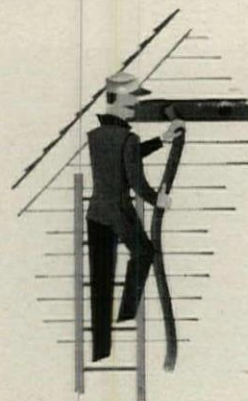
Insulation, then, is a product which offers you and your family greater comfort, health, protection, and money in the bank. It will pay for itself in a relatively short time and increase the value of your house. Enclosing your house like a snug blanket, it keeps evenly heated in winter, cool in summer, eliminating drafts and chilly walls that draw body heat from you. The fact that less heat passes out of an insulated house means that your heating equipment will burn less fuel and remain in first class working order for a much longer period.

There are certain handmaidens to increase the efficiency of any insulation job. Storm sash, or better still, double-insulated glass (two layers of glass with a hermetically sealed air-space between) will do wonders toward adding extra comfort to any room. Ordinary windows lose about four times the heat passing through an equal area of uninsulated wall. Weatherstripping applied at all windows and exterior doors cuts down on drafts and prevents loss of heat from the house during winter months. All cracks around exterior door and window trim should be solidly calked up since these are among the worst offenders in allowing escape of heat.

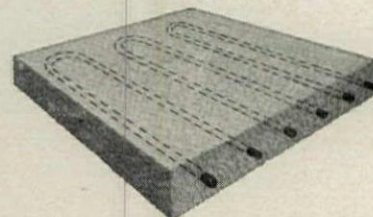
For a more efficient, economical heating system, always have your heater, boiler, or furnace in top-notch working order. Clean it regularly each spring after the heat has been turned off. Clean filters in a warm-air system and replace them regularly when they become clogged. See that steam- and



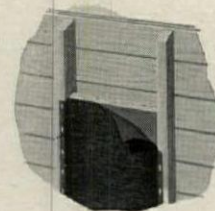
Concrete floors laid on ground remain warmer by using rigid insulation around outside walls.



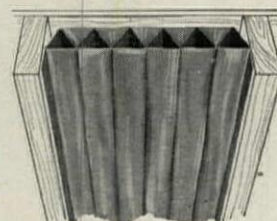
Loose fill insulation is lightweight, can be applied to walls and attics of houses, old and new.



Insulating concrete, placed under radiant heating coils, reduces passage of heat into the ground, helps to warm the house faster.



Vapor barrier on flexible insulation keeps moisture from penetrating outside walls and roof.



Metallic insulation reflects heat back into house during winter, away from house in summer.

INSULATION, continued from page 222

hot-water radiator valves function properly and set your thermostat at 50 to 55 degrees when you're away from the house. At night you may save as many as 200 gallons of oil a year by setting the thermostat at 55 to 60 degrees. If you're a fresh-air lover and keep bedroom windows sky high at night, weatherstrip the bedroom door and keep it shut. In this way you'll prevent the cold drafts from raising havoc with your heating system. Fireplace dampers, which offer a wonderful chance for heat escape, should be kept shut tight when not in use. Radiators, painted a color to match your decorative scheme, will give off much more heat than those given a metallic coating.

TYPES OF INSULATION

Though varying in appearance, insulation falls into four classifications: loose fill, flexible blankets or batts, rigid boards, and reflective insulation.

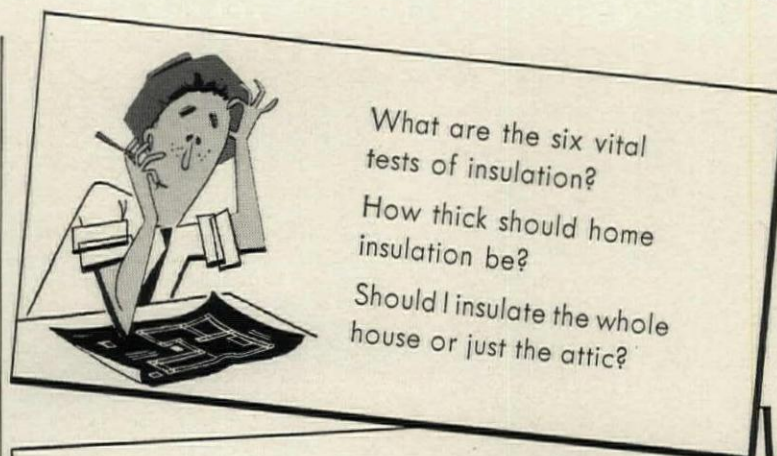
Fill insulation is made from mineral wool (rock, slag, or glass wool), from wood fibers, and from vermiculite. It is loose, lightweight material which can be blown, poured, or packed into walls, roofs, floors, and other spaces. Loose insulation is particularly adaptable in old houses since it can be installed without disturbing the main structure of the house itself. Like other cellular insulation, loose fill depends

on the tiny trapped air cells for working efficiency in keeping heat from escaping out of a building during the winter months and heat from entering during hot summer days.

Flexible insulation comes in the form of batts or blankets and is especially made to fit between studs, joists, or rafters. It is made of mineral wool, wood, or vegetable fibers. Today most flexible insulations come equipped with a moisture or vapor barrier on one side to resist the passage of moisture into exterior walls.

Rigid insulation is best known as insulating board and is made from wood, vegetable, or glass fibers. It is available in various forms—as exterior or roof sheathing, as lath for plaster, as decorative finish for interiors—tiles or planks, and as exterior insulating siding. Insulating boards or slabs of mineral wool are now used to insulate the edges of concrete slabs. In this way they are particularly helpful in keeping floors evenly warm and increasing the efficiency of radiant floor heating. Reflective insulation is usually aluminum foil in plain sheets or attached to paper backings to be hung between studs, joists, or rafters to reflect heat back into the house or outdoor heat away from it. Foil also comes attached to flexible insulation and to one face of some rigid insulation.

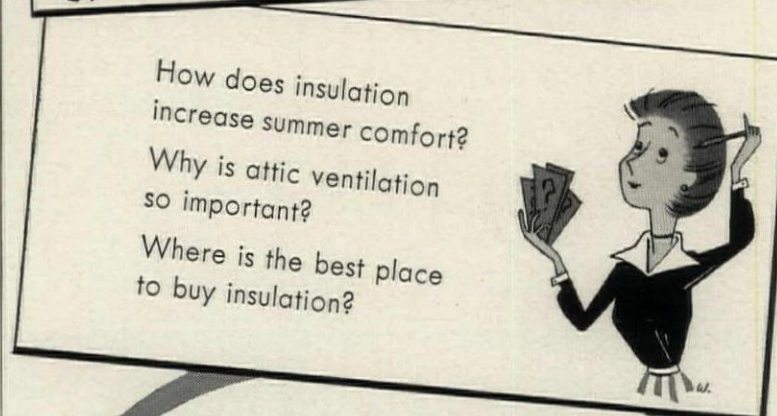
Continued on page 242



What are the six vital tests of insulation?
How thick should home insulation be?
Should I insulate the whole house or just the attic?



How can insulation be protected from destructive moisture?
What can I expect in the way of fuel savings?
What is the best way to apply insulation?



How does insulation increase summer comfort?
Why is attic ventilation so important?
Where is the best place to buy insulation?

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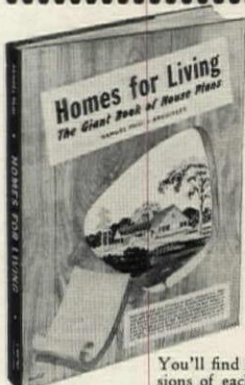


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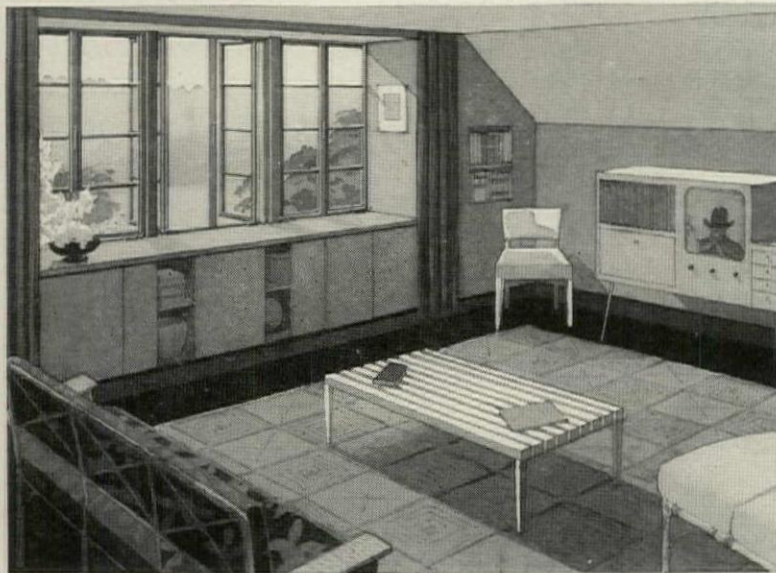
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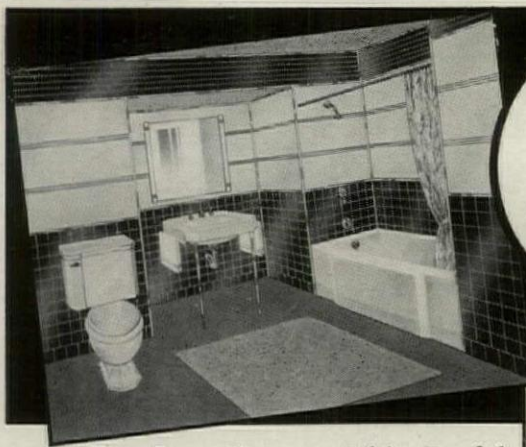
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WALLS AND CEILINGS OF ★ BEAUTY ★ PERMANENCE ★ ECONOMY

MOISTURE, continued from page 143

barrier is already in place; it covers one side of the insulating batts or blankets which are placed between the studs or rafters of the house. It must always be installed facing into the house. Such a vapor barrier forms a continuous sheath in the walls and ceilings; it won't be effective if it is torn or broken or has open joints. It must cover all openings as well and be installed around ceiling light fixtures, stairway apertures, cracks around attic doors, etc. Aluminum paint or other coatings also serve as a vapor barrier. They are used on existing houses because they can be easily applied without tearing the walls apart. The membrane vapor barrier applied to insulating batts or blankets, or to insulating board, is used for new houses.

(2) **Insulation** is a bar to moisture condensation because it creates warmer outside walls and ceilings. In winter, an uninsulated wall is cold; warm vapor striking its surface inside the house will condense and stain it. This may happen in tightly-built houses through which vapor cannot pass. So it is most important that insulation have a vapor barrier when it is installed. It will prevent the passage of damaging vapor into the walls.

(3) **Ventilation.** Old houses were ventilated easily through their many cracks and leaks. There was no problem of moisture condensation inside the house because water vapor (and heat) oozed out through uninsulated walls

and roof. Today we need to see that ventilation is provided in our tightly-built houses so they can "breathe." We must be sure that uninsulated areas such as the crawl space under a house and the unheated attic above a one-story dwelling are ventilated by means of screened vents or louvers (see sketch on this page). Ventilation keeps air in circulation and lets the damaging water vapor escape. Exhaust fans in kitchen, laundry, and bathrooms are important, too, because they remove the destructive humidity generated by cooking, washing, or bathing.

(4) **Protecting your house from excessive moisture.** The procedures outlined here—the use of vapor barriers, ventilation, and insulation—will give you protection from condensation. You can also help by seeing to it that kitchen, laundry, and other household activities do not add excessive moisture to the air. Humidity should be kept below 40% during the winter months. In the summer months the problem of excess moisture is pretty well confined to basements and closets; here proper ventilation during dry, sunny days and the use of a dehumidifier will take care of it. If you are building a new house, see to it that enough time is allotted for plaster to dry out thoroughly and for concrete to harden before you move in and heat the house. Wet plaster adds a great deal of moisture to the air. The problem of how much humidity is needed in a house is of course largely

Continued on page 243

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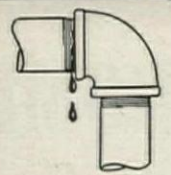
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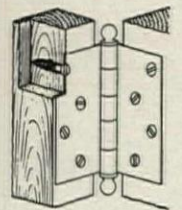


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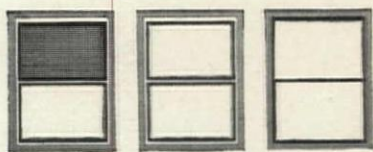
HELP YOUR HOUSE, continued from page 152



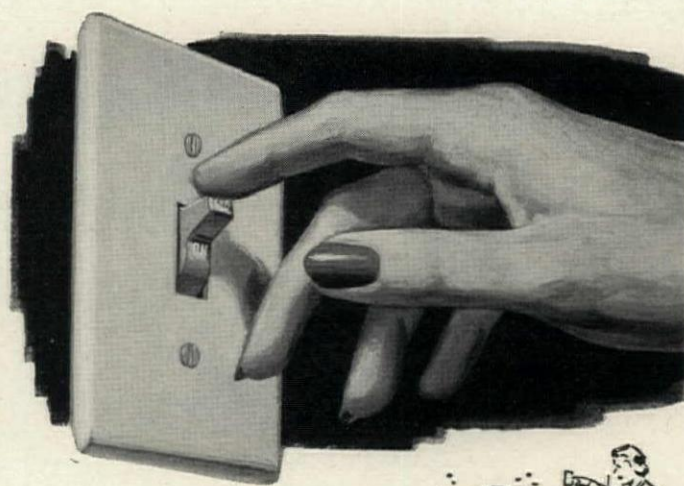
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Continued on page 244



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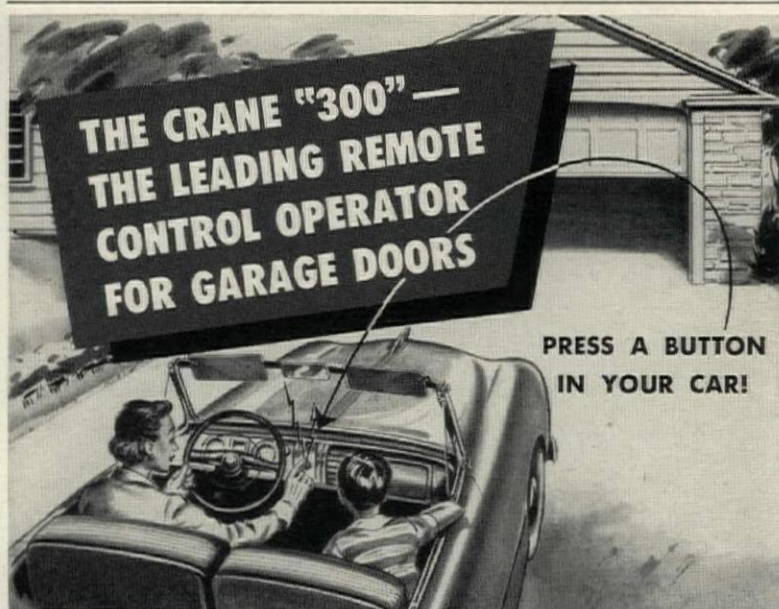
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CRANE remote control operators help eliminate bad weather annoyances and

make dark driveways and garages safer! Push a button on your car's dash . . . the garage door goes up and the lights come on. Push it again . . . and the operation is reversed. Easily installed, it's the appliance liked best by all homeowners. Complete details FREE!

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HG-1

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Goulds new Balanced-Flow Water System gives you city convenience beyond city water mains—and savings, too. No tank to buy or replace! No water lag! Use water in kitchen, shower, etc.—all at the same time. This new system adjusts itself automatically to deliver fresh water instantly—all you want at all taps, up to 520 gal. per hour. Never needs priming. Compact—fits anywhere. Quiet, trouble-free—only one moving part. A wonderful buy!

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(1) Mail coupon. (2) See your Goulds dealer for a water system survey, an estimate and a demonstration. In his complete line of Goulds Tankless, Tank-mounted and separate tank systems, there's exactly the right system for your needs—modern, efficient, economical... engineered by Goulds, world's largest manufacturer of pumps exclusively.

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GOULDS PUMPS Inc. Dept. HG-53, Seneca Falls, New York

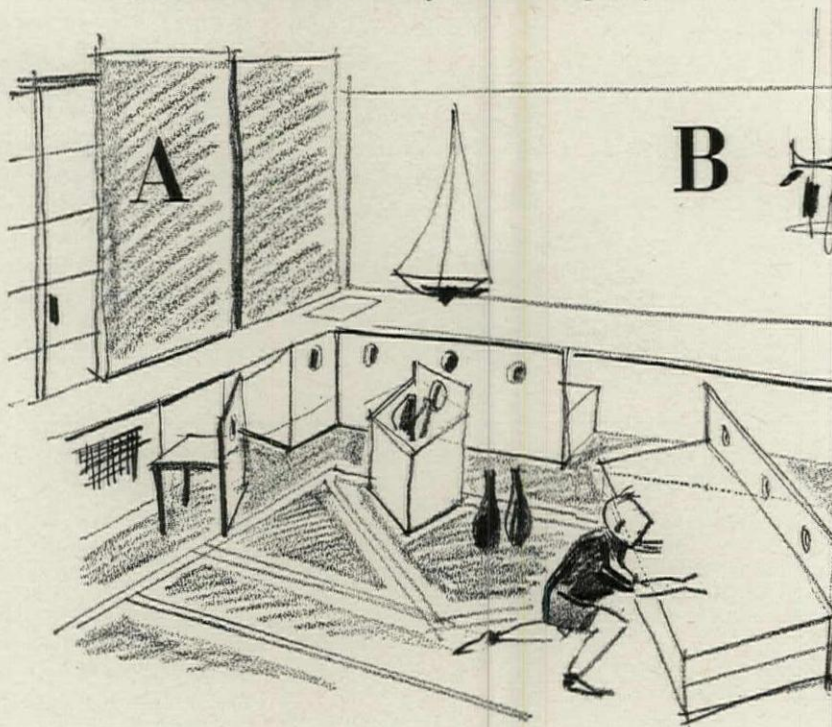
Send dealer name and FREE 20-page booklet illustrating and describing Goulds Tankless and Tank-mounted water systems.

Name

Address

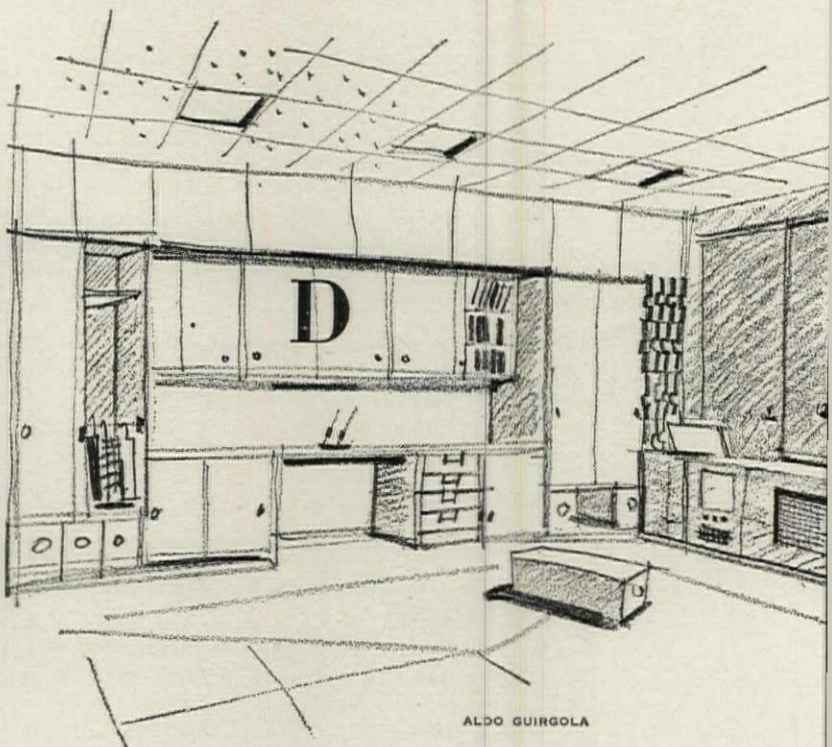
STACKAWAY ROOM, continued from page 154

To be successful, this children's room must be made with materials that are sturdy and soundproof



A wall your child can write on

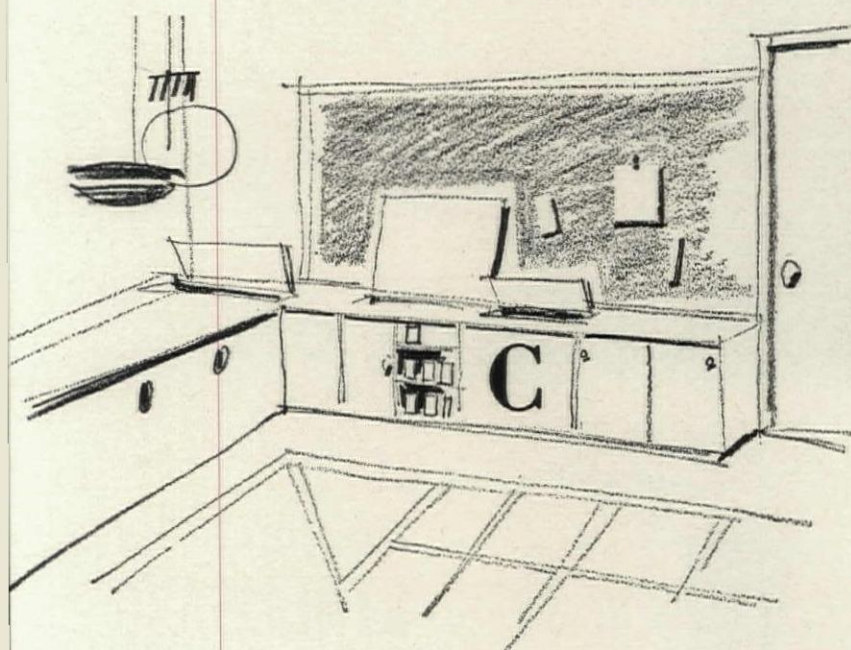
C Magnetic chalkboard, a 3' x 8' sheet, should have a porcelain-enamel writing surface laminated onto plywood. When your child wants to hang up a water color, he can use tiny magnetized arrows and cubes that cling directly to the board. A special chalk and crayon tray is recessed into the nine-inch-deep shelf. Drawing paper is on hand in a compartment with a hinged top. An easel lifts right up out of the countertop, and all of the paints and brushes are below in a cabinet with sliding doors. The end cabinet holds modeling clay to be used at the wider counter on the left. Each corner has a deep well for bedding.



ALDO GUIRGOLA

Beds, toy bin, chair slide under counters

- A** A pair of toy bins, each the size of a regular laundry hamper, wheel out from the shelf under the window. These keep tabs on such play paraphernalia as miniature tenpins. A chair pulls out of the line of toy bins whenever your child wants to use it at the desk on the next wall (D). Four sliding panels in bright poster colors are used instead of curtains. These are made of plywood with a plastic finish, so it's easy to wipe off smudges with a cloth.
- B** Twin beds mounted on rubber casters roll as easily as a tricycle, stow away end-to-end beneath a toy shelf. Easy to build, they will take 30" x 75" box springs and mattresses. Round-the-room countertop is made out of sturdy plastic; over the bed it's deep enough to support a toy railroad.



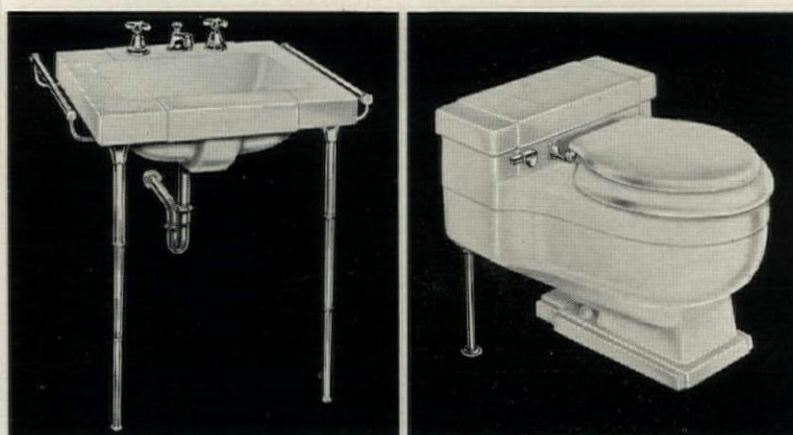
A storage wall grows up

- D** Two clothes closets, each two feet deep, have hangers that adjust to the children's growing heights. Beneath each closet are pull-out blocks on which they can sit, eat, or play. A desk top that ink cannot damage is made out of plastic. Lighted from above, its pedestals on either side have sliding trays for clothing. Over it is a recessed cupboard for books. There is room on top to store out-of-season clothing. Television and radio-phonograph are on adjacent wall. The blocks can be lined up for a make-believe theater.

Sliding doors throughout the room save space. These are also made out of plywood and need only be waxed. Spotlights are concealed in the ceiling to eliminate breakable lamps. Acoustical tiles help to deaden the din. A real shuffleboard could be laid instead of the checkerboard on page 154. Either can be made of rubber tiles.



COLORFUL BATHROOM BEAUTY...



in the MODERN MANNER

Today's bathrooms emphasize *room*—provide more places and more convenient places to keep things without clutter or crowding.

And Case fixtures of gleaming vitreous china are tuned to the trend. The new *Welsford* lavatory fits glove-smooth in custom-made tiled or plastic counter tops. Its deep, roomy bowl comes in 32 lustrous colors of lasting beauty, and white. Also available with legs and towel bars. In matching colors, choose America's finest water closet, the famous *CASE® One-Piece.** Distinctive in styling, quiet at all times, and designed with an exclusive non-overflow bowl. See your architect, builder, or plumbing contractor — and send the coupon for literature.

READY MADE TWO-IN-ONE

The space-saving Case *Whitney* lavatory-vanity takes only 36" of wall space. Vitreous china basin, Formica counter. In blue, green, pink, French grey, or white with contrasting top.



Case
Fine
Vitreous
China

100th ANNIVERSARY

----- FOLDER SHOWS 32 COLORS...DECORATING IDEAS -----

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FOOD WASTE DISPOSER



The only disposer that
saves you money because
it telescopes to fit
your present plumbing.



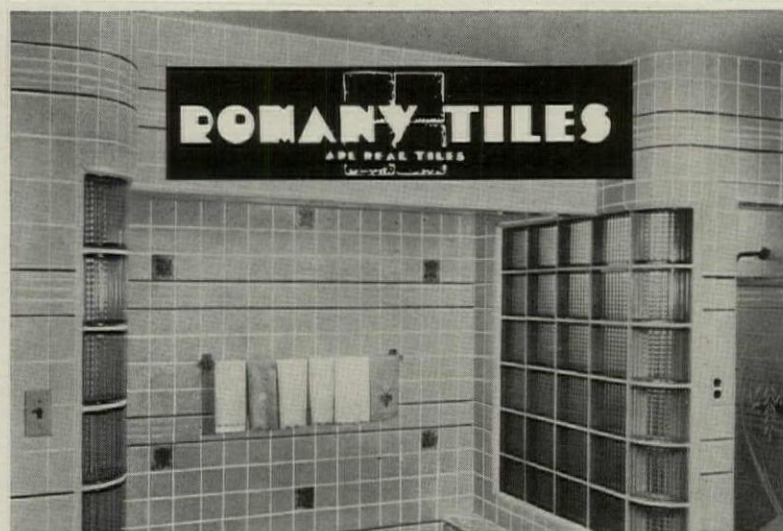
No plumbing to relocate —
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Quickly installed — easily
removed...ideal for renters.

Where present waste line
appears too high for direct
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Adjusts right on the job
quickly and easily. Saves
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TWEETER AND WOOFER, continued from page 153

big advantage, however, and that is
their ability to deliver an uninterrupted
performance of a lengthy composition.

The average commercial radio-
phonograph set can only reproduce
sounds in the 60 to 5,000 cycle range.
Good high-fidelity systems, on the other
hand, can bring out all the sounds
which fall between 20 and 20,000
cycles. Listening on "hi-fi" equip-
ment—whether to Prokofiev or to the
President—gives you the feeling of
actual performer presence in your
room.

Because you buy individual units
rather than the too-compactly-created
commercial set, a high-fidelity system
is flexible from the decorating point of
view. Many of the units can be hidden
in bookcases, drawers, or slightly-
revamped pieces of furniture. Custom-
made or pre-made cabinets can also be
used. The speaker can be located in
one part of the room, the dials and
record player can be put elsewhere.

This is not to say that all com-
mercial sets are too compact. Two or
three manufacturers turn out ready-
made high-fidelity sets which are diffi-
cult to surpass in their ability to de-
liver fine performance. They are costly,
however—usually falling in the \$1,000
to \$2,000 bracket—and they are in-
flexible, decoratively speaking, because
of the narrow range of cabinet styles
in which they are available.

Another means of achieving ready-
made high-fidelity, also costly, is

through a professional custom builder.
If you haven't the name of a custom
builder in your locality, get in touch
with your local music store—they are
certain to have his name on file and
will be glad to put you in touch with
him.

Neither of these methods is sug-
gested where economy must be con-
sidered. For \$300 to \$400 you can
assemble a high-fidelity music system,
including the necessary cabinets, which
will equal or even surpass the most
expensive commercial or custom-built
sets.

One of the basic components of
any high-fidelity set is the tuner, the
instrument which receives the inaudible
radio energy off the air and converts it
into audio impulses, or frequencies in
the audible range. The front of this
tuner will seem familiar to anyone who
owns a radio set. On it are dials and
numbers indicating various stations.
Practically all tuners are made to re-
ceive both AM and FM stations. With
the rapid growth of the latter it is
vitaly important to get a tuner capable
of receiving FM. FM, or Frequency
Modulation, transmits up to 15,000
cycles per second.

The energy which the tuner con-
verts into sound must be raised to hear-
ing level, and this is the job of the
amplifier. When you are choosing an
amplifier you should consider its power
output: i.e., the usable power it is cap-

Continued on page 229

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PRODUCTS
COMPANY

POST OFFICE BOX 95

MEMPHIS, TENN.

TWEETER AND WOOFER, continued from page 228

able of delivering to the speaker so that sound can be heard. This output is measured in watts. One watt of power delivers as much sound as the average listener will ever want in his living room. But, just as you never use the full horsepower of your car, the amplifier must be able to handle a momentary surge of sound such as the clash of cymbals in Ansermet's recording of *Petrouchka*. Experts say you need a ten to one safety factor to take care of such musical outbursts. Thus, the minimum is ten watts.

Flat frequency response comes next. An amplifier is flat when it gives equal amplification to all sounds in a given range. One tone, in other words, isn't louder than another. If the amplifier is said to have a flat frequency response of 30-15,000 cycles it means that all of the tones are amplified equally in that particular range. There is always a slight tolerance given which is expressed in plus or minus decibels, abbreviated as db. Top-quality amplifiers have a flat frequency response from 20 to 20,000 cycles with a plus or minus deviation of 0.5 db. Be sure, also, that it states on the amplifier that harmonic distortion is no higher than 5 per cent.

The tuner plugs directly into the amplifier. In some "hi-fi" systems all of the controls are on the tuner itself. In others, the tone controls are on the amplifier; if desired, a remote control box can be connected to it. In the best amplifier there is an evenness to what

you hear when you turn the volume control up or down. Good ones have a so-called "compensated volume control" which strengthens the bass as the volume is reduced and makes soft playing of your records—or off-the-air listening—as natural at low volume as at high. There is a definite need for strengthening the bass notes when the volume is low. When bass notes are played softly they are not as audible to the human ear, and the compensated volume control takes care of this reduced sensitivity with an automatic adjustment. But it has its limitations, and to get the best reproduction, you should also have separate bass and treble controls or something called a "loudness control." This is a special kind of volume control which offsets the characteristic defect of the human hearing system. As volume is reduced or increased, the loudness control will automatically adjust the low frequency, or bass, response of your amplifier to suit your ear. In other words, it accomplishes the same thing as the separate bass and treble controls, and combines them in a single control.

The final unit is the speaker. The subject of speakers in high-fidelity will forever be controversial. Although the performance of amplifiers, tuners, and record players may be fairly evaluated on the basis of engineering data, the speaker cannot. In it are married two of the basic sciences—electronics and acoustics—but, more importantly, a speaker sinks or swims on the vagaries

Continued on page 230



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the completely modern sash balance

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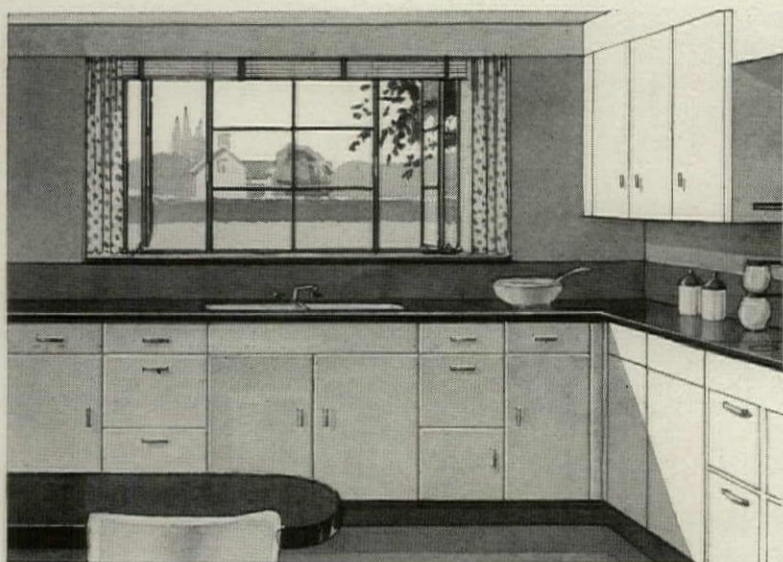
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LUPTON METAL WINDOWS



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TWEETER AND WOOFER, continued from page 229

of the human ear. Two speakers, for example, with identical published characteristics will sound different to different people.

Basically the speaker recreates the sound from what is fed into it by the amplifier. In the best high-fidelity systems the speaker may be the most expensive unit. The speaker, incidentally, as used here, means the cabinet as well as the actual speaker which is placed in it.

The performance of any speaker is governed largely by the cabinet in which it is enclosed. Unless the cabinet is well-designed, the performance of even the most expensive speakers will be completely disappointing. Even this thesis is open to question when it is realized that a hole cut in the center of a large wall offers an ideal means of realizing a speaker's full potential.

In general, be prepared to think of the complete speaker (including the cabinet) as something big if you really want perfect sound reproduction. Unless you build the speaker into your walls or into a closet door, at least ten cubic footage of cabinet is needed. This works out to a piece of furniture about 35½" high and 35½" wide by 18" deep. The reason for this size is that the air pressure around the speaker itself must be equal on each side of the speaker cone, providing what is known as infinite baffle.

If there's no room for the infinite baffle type of speaker, the bass reflex

enclosure offers the next best results. The cabinet for this type should be at least six cubic feet; its height at least 30 inches, its depth one half times greater than the depth of the speaker.

A recent development which might revolutionize the size of speaker cabinets is the R-J enclosure. In its smallest size it is a cabinet less than two feet long which fits into a single bookshelf. Excellent bass notes are reproduced with this type of speaker. Klipsch folded horn speakers, too, can be used in a smaller corner cabinet—23½" high by 14½" wide.

For the best reproduction, the actual speaker should consist of a woofer (a large speaker to reproduce low tones) and a tweeter (a small speaker to reproduce high tones), either as separate speakers or with the tweeter mounted inside the woofer. This latter is known as a coaxial speaker. A 15-inch speaker is considered excellent for the best reproduction.

One important thing to remember is that the speaker must be matched to the amplifier. In other words, if your other equipment—the amplifier and tuner—gives out from 20 to 20,000 cycles of sound it would be silly to have a speaker that can only handle 100 to 7,500 cycles. All you'd get out of this speaker is what it can take. For best results in your room the speaker should be placed in an enclosure located apart from the one containing the amplifier, record player, and tuner.

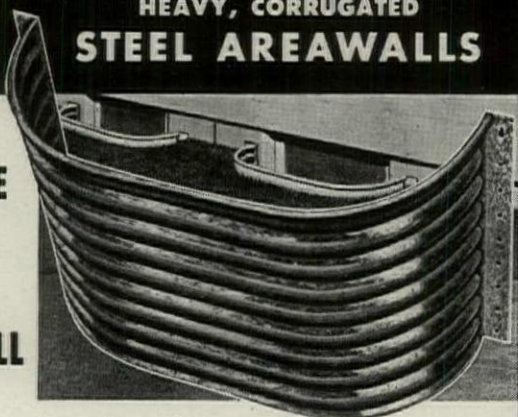
Continued on page 233

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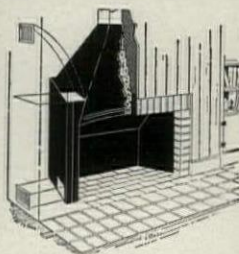
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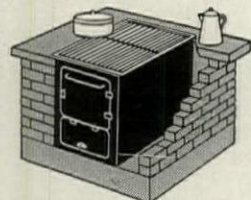
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HOUSE NO. 28 continued from page 93

KERTESZ



The flagstone flooring in the living porch of House & Garden's House of Ideas is designed to withstand heavy traffic and hard wear. It is laid directly on a concrete slab which conceals the hot water coils that give the entire porch an even warmth.

Unpainted pink brick, used for the two-way fireplace between the living-dining room and the study, will improve in appearance as it ages. It has the added advantage of needing no upkeep. The floor in front of raised hearth is oak parquet.



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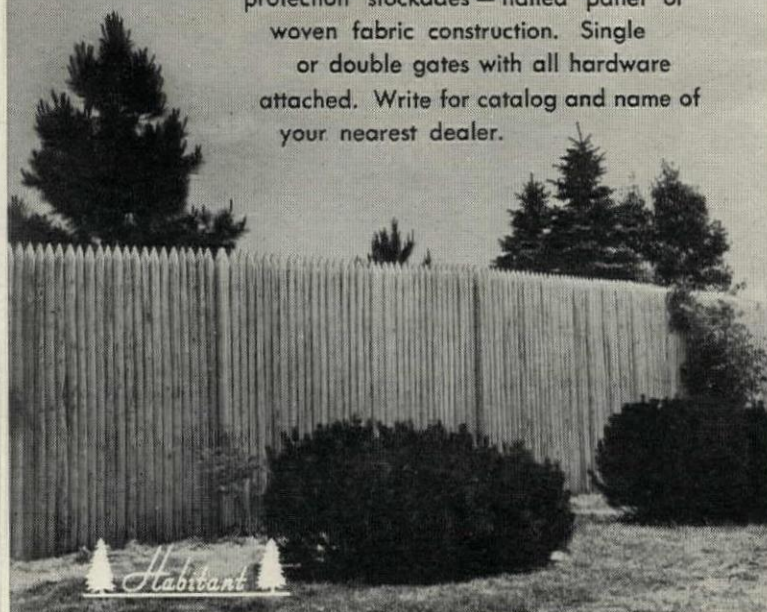
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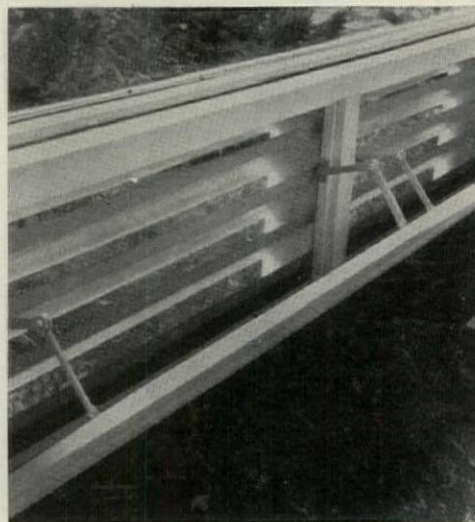
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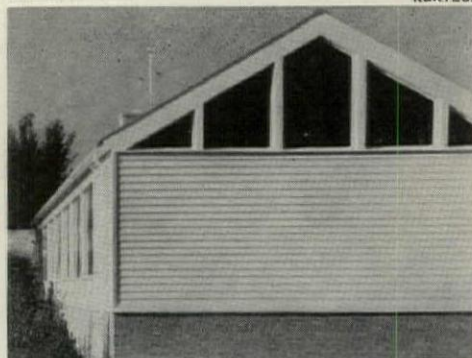
COMPANY, Inc.

422 Erie St. Huntington, Ind.



These louvered openings under the fixed glass windows provide desirable cross-ventilation at floor level in the living-dining room of the House of Ideas. They have screens and hinged panel covers.

The gable window in the master bedroom is made of special glass designed to resist heat and glare in the manner of a car windshield. On the south side of the house, right, the windows admit the welcome winter sun to bedroom and gallery.



KERTESZ

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HINGES**

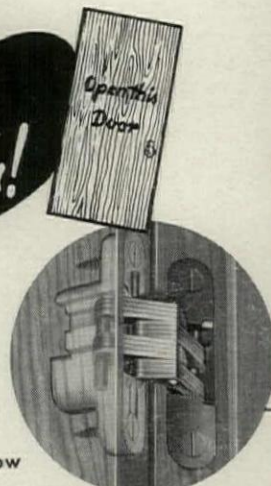
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**INVISIBLE
HINGES**

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**PROTECT
YOUR
CHILD**



**WITH
NO-SHOK
SAFETY WALL OUTLETS**

**PREVENT
THIS**

"Phila. Aug. 6—Baby Makes Own Death Contact"
"Yonkers—Electricity Fells Girl Playing With Hairpin"
"Indianapolis—Three-Year Old Electrocutes Self"
"New York—Near Victim of Electric Outlet"
"Boy Learns About Electricity The Painful Way"

Death, shock and burns by insertion of hairpins, wire, etc., into current-carrying parts can now be prevented by installing NO-SHOK. Rotary cap snaps back to cover electrical openings when plug is withdrawn. Prevents tampering by unsuspecting children!

Don't gamble with your child's life!

Install NO-SHOK SAFETY WALL OUTLETS before it's too late! Get this extra protection today! Also ask for NO-SHOK Safety EXTENSION CORDS and TABLE TAPS . . . wherever electrical appliances are sold . . . at your hardware or variety store.



1. Insert plug
2. Twist to right quarter turn
3. Push in

BELL ELECTRIC COMPANY
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**Amazing New
Decorating Discovery!**

**FREE
THE ADELPHI
REDI-BLEND GUIDE
TO SCIENTIFIC
COLOR HARMONY**

Prepared by one of the country's leading color consultants, this scientific solution to interior decoration problems shows do-it-yourself home owners exactly how . . . makes correct color harmony a simple matter, for the first time!

The Guide gives you countless harmonious combinations of the 25 luscious, high fashion colors of REDI-BLEND Interior Flat Wall Finish. Pleasantly scented, really washable, with a velvet-smooth finish, REDI-BLEND is a pure oil-base alkyd flat formulated for great durability. And it's a ONE-COAT paint! In fact Adelphi now offers, for the first time, ONE-COAT PAINTS for both inside and outside work, in a wide range of new and beautiful colors.

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Please send a FREE copy of REDI-BLEND Guide to Scientific Color Harmony for which I enclose 10c to cover mailing and handling cost.

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City.....Zone.....State.....

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FOOLPROOF****Fire Protection****ALLENCO****Fire Hose Station**

delivers plenty of water, quickly within 12,000 square feet! No maintenance, always ready. Compact, steel cabinet like medicine chest, recessed or wall-mounted.

Adjustable nozzle locked on 30 to 75-foot hose, instant-release rack, "faucet-valve" to regular water supply ... **LOW PRICED!**

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LOG CABINS**

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Saving Labor Costs!**

Save money on your log cabin! Get a "Brownlee"—the cabin that you can erect yourself! Shipped in sections, with doors and windows installed. White cedar logs, pre-treated. Impervious to moisture. Termite resistant. Weather-proof. Factory-caulked exterior walls. Complete materials furnished for erection. A variety of attractive designs—two to five rooms—as low as \$950. Also lodges, camp buildings and tourist cabins. Send 25c today for catalog. (Some territories still open to dealers.)

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I am enclosing 25c for your catalog of
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TWEETER AND WOOFER, continued from page 230

Another thing to remember when selecting a speaker for your music system is to pay careful attention to its power rating. The power rating of a speaker determines the amount of volume it will handle before reaching the point of overload, at which distortion sets in. The further below its overload point a speaker is operated, the better it will sound. Even though you never intend to operate your music system with more than two watts' output, a speaker rated at 10 watts will sound better than one rated at five. One rated at 25 watts will sound still better, though the frequency response of the various speakers is identical.

With long-playing records the need for the popular automatic record changer has not been as great. In fact, some of the more finicky and fastidious music lovers, who prize their records and want to get the most out of them, use a transcription turntable. These play one record at a time, and they are the type used in broadcasting. They are more heavily built than record changers, they have better speed regulation, and they have more freedom from the rumble you get in some changers. Admittedly, then, a single-record player offers a certain measure of precision which is not inherent in automatic changers. However, it does not offer the convenience of the automatic changer, and it is much more expensive. Your choice here may well be determined by your fetish for perfec-

tion (even though it may not be audibly evident) and by your pocketbook.

It is imperative, if you want the very best in record reproduction, to have a magnetic pickup or cartridge on the arm of your record player. The ordinary phonograph uses a crystal pickup which is inexpensive, but it doesn't reproduce the vibrancy, sheen, and life-like quality of the magnetic type. The stylus—or what we used to know as the needle—fits into the magnetic cartridge. Such cartridges require a pre-amplifier which is frequently built into the tuner or amplifier units.

Your final decision is what stylus to buy. Experts say: make it a diamond which is a record's (as well as a girl's) best friend. It costs more than a sapphire stylus, but, in the long run, it's less expensive because it doesn't require replacement so often. Sapphires start to show wear after five hours of playing; diamonds are good for around 1,000 hours.

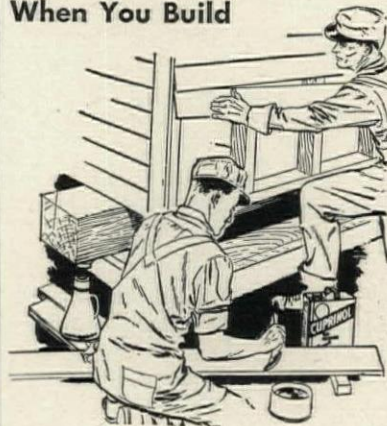
And now: how much will it cost you and where can you buy "hi-fi"?

You can do a "hi-fi" job for as little as \$150 and you'll still be getting double the fidelity you'd get from the average commercial set at the same or higher price. You can be fancy for \$2,000 with several speakers set around the room. In the \$300 to \$500 range, you'll hear music as you've never heard it before. Most manufacturers stipulate

Continued on page 241

**WHETHER YOU BUILD
OR BUY****You Should Know About****CUPRINOL****REDUCES
WARPING and SWELLING**

- It is a wood preservative to be applied by brush, spray or dip
- before painting, to give protection against rot and termites and to reduce the absorption of moisture that causes wood to swell and warp, and doors to stick.
- Treat all four sides and edges.

When You Build

- Have all sills, studs, posts and any wood in contact with masonry or the earth given one coat of Cuprinol. Use it, too, on porch flooring, steps, rails and on wooden gutters. And on plywood it provides a lasting smoother finish under paint, varnish or stain.

CUPRINOL**STOPS ROT
AND TERMITES****When You Buy, or Own**

- You will want Cuprinol on hand to treat any wood repairs; fences; garden furniture, stakes, and frames; window boxes; shutters; screens and storm sash. For wood lasts longer, stays stronger when treated with Cuprinol. It is the safe, economical wood preservative in quarts or gallons for home use.

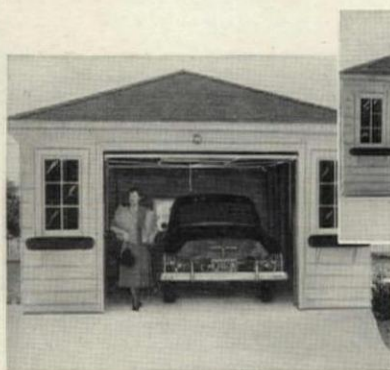
At Lumber Dealers and
Marine Supply Stores



CUPRINOL Div., Darworth, Inc.
48 Maple St., Simsbury, Conn.
Yes, I'd like folders about Cuprinol—

Name

Address

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FINEST
GARAGE
DOOR"**

**LOOK AT THE ROOM!**

"So you're going to buy a new Garage Door! Well, take it from me, neighbor, this all-steel Berry Door is the one you want. I've looked at 'em all and none even begins to compare with this Berry Door. Why you can open it with one little finger ... yet it's as rigid as a brick wall. And Quiet—why man, you can barely hear it whisper! There's NO side sway at all—and it's mighty low in cost. For other startling features see your nearby Berry Door Dealer and find out for yourself why this is 'America's Finest Garage Door.' Or, write us today for a Free Booklet that gives complete details."

Say, neighbor, let's get together!

Berry Doors are available with or without windows and in these sizes:
(Track-Type) 8' x 7', 9' x 7', 16' x 7'
(Canopy Door) 8' x 7', 9' x 7' only

**STEEL DOOR CORP.**

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Pontiac, Michigan

EXCLUSIVE MANUFACTURERS OF BERRY GARAGE DOORS

LIBRARY OF INFORMATION

...booklets to help you build

BATHROOMS

A1. CASCADE BATH ENCLOSURE BY FIAT. Folder describes advantages of fluted Plexiglas sliding panels, gives directions for installation.

A2. ALLIANCEWARE folder shows porcelain-on-steel bathtubs, lavatories, toilet combinations, sinks—and a "Junior" size bathtub for small bathrooms.

A3. BRIGGS BEAUTYWARE booklet offers bathrooms in five different colors, shows how to make the most of your bathroom with Briggs toilets, sinks, bathtubs.

A4. AQUA*DOR BATH ENCLOSURE passes the 10-point test for economy, safety, value . . . illustrated in Armstrong Co. folder.

A5. PICTURE-BOOK BEAUTY for your home with Lavanette, a powderbar, vanity and lavatory all in one. Toledo Desk and Fixture Corp. folder shows how Lavanette adds room where there is practically none . . . versatile, convenient, beautiful.

A6. STASCO BOOKLETS, by Standard Tank and Seat Co., illustrate various types of Stasco toilet seats.

A7. BATHROOM BEAUTY ON A BUDGET booklet shows how to make your bathroom more attractive, more convenient with Grote modern cabinets.

A8. KOHLER PLUMBING FIXTURES booklet shows bathroom color combinations for harmony, arrangements for greatest convenience at a modest cost. Also kitchen sinks.

A9. VITREOUS CHINA BATHROOM FIXTURES folder by W. A. Case shows new styles including counter-top lavatory for custom-made tile-in tops and ready-made lavatory-vanity. Samples of 32 available colors to help in color planning.

A10. 44 IDEAS FOR YOUR BATHROOM. Miami-Carey booklet helps you plan a bathroom for greater individuality, good taste and convenience.

A11. YOU AIN'T SEEN NUTHIN' YET! Gerber booklet illustrates colored fixtures to perk up your bathroom.

A12. DESIGNED FOR LIVING. Eljer's colorful booklet shows beauty plus efficiency in the modern bathroom . . . includes facts about kitchen sinks built for lasting service.

A101. THE MARK OF A MODERN HOME . . . Weisway Cabinet Showers. Weis Co. booklet illustrates various arrangements with Weisway units to increase bathroom facilities, serve the whole family's needs. 10c.

A102. IT TAKES 2 TO MAKE THE BATHROOM BEAUTIFUL . . . you and U-R . . . Universal-Rundle Corp. booklet gives suggestions for unusual bathroom decoration, illustrates U-R bathroom and kitchen fixtures. 10c.

WATER SYSTEMS

B1. HOW TO SELECT YOUR WATER SYSTEM. Deming Co. booklet tells you how to put running water to work for you. Shows how to be sure of pure water, suggests pumps for typical wells, indicates installations.

B2. MYERS WATER SYSTEMS are described in Myers' booklet . . . illustrates various pumps to meet individual needs, water conditioning equipment to cure problem-water situations.

B3. FLOWING WATER folder shows famous Flint & Walling pumps for shallow or deep wells, hand or windmill pumps, sump pumps, cellar drainers.

B4. WATER SYSTEM—How to Plan an Ideal One. Fairbanks, Morse & Co.'s 24-page booklet tells you everything about everything from pumps to plumbing, water softeners to water heaters.

B5. YOUR WATER SYSTEM—How to Choose It. Unless you're an expert, it's best to get help in planning your water system. Gould's big booklet gives answers to all problems, shows pumps for every home.

B6. ENJOY RUNNING WATER. There's a Delco water system for every farm or suburban home need. General Motors' folder illustrates pumps, capacities at various pressures.

B7. WONDERS OF A WATER SOFTENER booklet lists the many benefits of Duro soft water: soap and fuel savings, better food, longer life for washables.

EXTERIOR MATERIALS

C1. LUDOWICI ROOFING TILES for permanent protection and lasting beauty. Illustrations show tiles for roof and patio, in patterns adaptable to any style of architecture.

C2. BUILT FOR BEAUTY WITH BRIAR HILL. Booklet describes the attractive stone exteriors now possible with Briar Hill Sandstone Veneer . . . easily incorporated into a traditional or modern design . . . simple and economical to set.

C3. ORNAMENTAL IRON. The charm and modern application of this ancient art for doorways, columns, stoops, balconies, stair rails, interiors and gateways is illustrated in folder by Tennessee Fabricating Co.

C4. SMOOTH-ON CEMENTS booklet tells and shows how to stop leaks; make simple, quick, money-saving repairs. For home, factory, power plant, cars, boats.

C5. THE CASE OF THE PITCHED ROOF. Folder tells how a pitched roof of Bird Architect Shingles can be constructed and applied at less than the cost of a built-up roof; why it means fewer heating and ventilating problems.

C6. MOULDED STONE WALL FACING booklet shows "before" and "after" photos, new ledge stone design, gives full information on Perma-Stone for exteriors of old or new homes.

C7. ALUMINUM AWNINGS THAT ROLL . . . Aluma-Roll. Perfect for year-round protection from sun and rain. Folder illustrates sizes, colors, uses.

C8. RUSTIC WOOD FENCES for privacy and protection. Factory-fabricated Habitant Fences fit individual ground plans, are available in seven designs, as illustrated in booklet.

C9. PAGE FENCE RESIDENTIAL CHAIN LINK FENCES assure privacy and protection, control children at play. Booklet shows various uses of Page residential fences.

C10. YOUR HOME IS YOUR CASTLE. Beautify and protect it with Condstone, the miracle man-made stone. Folder illustrates "before" and "after" photos, lists benefits.

C11. J-M COLORBESTOS SIDING SHEETS. Johns-Manville folder shows large size asbestos siding sheets with color and texture "built in." Low-cost, adaptable to today's trends in home design.

C12. CONCRETE HOMES booklet from Portland Cement Association promises a lifetime of comfort and security in a concrete home: low first cost, low upkeep, easy to finance. Available in U. S. and Canada only.

C13. RAY-O-LITE PLASTIC AWNINGS provide something new under the sun. Awnings are translucent, colorful. No maintenance ever; no awning-darkened rooms. Folder tells complete story.

C14. IMPERIAL LUX-RIGHT, the original steel areaway for basement window wells, is ideal for homes, schools, every type building. Folder by St. Paul Corrugating Co. shows types, sizes.

C15. COOL, COLORFUL LUXURIOUS AWNINGS are cut from Otis Woven fabrics with "both sides alike." Folder shows uses in home, industry.

C16. EXTERIOR FINISHES FOR REDWOOD folder by California Redwood Association explains various outdoor finishes, do's and don'ts for finishing popular redwood.

C17. KOOLVENT Ventilated Aluminum Awnings are a permanent, practical and economical investment in year-round comfort, modern beauty, all-weather protection. Folder shows how to double the comfort and livability of your home.

C18. BIRD'S-EYE VIEW OF YOUR HOUSE shows the vital spots that can spell trouble if not guarded by copper. Booklet shows how Revere non-rusting copper prevents leaks, saves repair bills, never needs painting.

C19. BETTER PRODUCTS for a Better Home booklet illustrates Carey Fire-Chex shingles, Miami Carey bathroom accessories, Carey Ceramo glazed asbestos cement siding, other Carey products.

C20. DUBL-COVERAGE TITE-ON SHINGLES are illustrated in Ruberoid Co. booklet. Interlocked and interwoven construction makes them hurricane-proof, fire-resistant.

C21. SHINGLES for roofing or siding add distinction to a house. Data Sheets on Weatherbest Stained Shingles and Shingle Stains give types of shakes, information on application, upkeep, staining.

C101. CONCRETE MASONRY HOMES OF TODAY AND TOMORROW . . . your best protection against fire. Booklet by National Concrete Masonry Association suggests over 20 floor plans for houses built with concrete, giving all measurements and details. 50c.

C102. BASEMENTS—How to Make Them Dry, Beautiful, Livable. Medusa Portland Cement Co. tells you all this, gives you tips on how to make your basement into an "extra room." Lighting, decorating, heating ideas included . . . also check list of requirements. 25c.

PAINTS AND WALLCOVERINGS

D1. YOUR WALL-TEX PORTFOLIO describes high style for your walls. Folder includes samples of the washable fabric wall covering, as well as instructions for hanging.

The latest products and newest ideas in building are described in the booklets listed below, all valuable guides to modernizing your home. To order them, simply circle the numbers on the postage-free order form corresponding to the booklets you want, and place the remittance for charge booklets in the coin pocket. HOUSE & GARDEN will forward your requests to the individual companies, who will send their booklets directly to you. There may be some normal delays, but HOUSE & GARDEN will do its best to see that they are as few and as short as possible. Requests are limited to the calendar year 1953.

D2. YOU CAN BUILD IT OR PATCH IT with Sakrete. 40-page booklet contains instructions for using Sakrete pre-mixed concrete products... gives illustrations of its application.

D3. PHELAN'S HYDROFLEX folder describes how this swimming pool finish gives a tile-like finish to any pool; why it is sanitary, economical, easy to maintain; how to apply.

D4. KAY-TITE specifications folder explains how this protective coating controls water seepage in porous masonry, where it can be used, how to apply.

D5. IT'S EASY TO PAINT with Magicolor. Folders show finishes for every use... Lustaron, Velvet flat, Super white house paint, enamel, Plastaron—which plasters as it paints.

D6. SETFAST CANVAS PAINT... the only paint made especially for canvas. Murphy Paint Co. booklet shows how Setfast Paint renews and brightens all canvas, even fiber rugs... shows choice of a dozen colors.

D7. MATCH-A-CHIP COLOR CHART by National Chemical and Mfg. Co. contains color chips of Satin-Luminall, synthetic rubber paint sensation... designed with perforations, easy to match up.

D101. REDI-BLEND GUIDE folder tells why Adelphi paint gives you the exact color you want... that one coat is all you need. It goes on velvet smooth, is pleasantly scented, washable. 10c.

D102. COLOR VISUALIZER. Martin Senour portfolio will help you to plan interior and exterior color schemes, with the aid of Martin Senour paint chips. Includes tips for color styling. 25c.

D103. COLOR SCHEMES for Town and Country Houses. Dramatic house exteriors in distinctive colors chosen by noted authority Faber Birren are shown in this more-than-a-yard-long guide. Shows house exteriors in every architectural style, includes 28 actual Colorizer paint samples. 10c.

D104. IMPERIAL COLOR HARMONY KIT has color wheel and matching crayons, color planning sheets for experimenting, instructions on how to use kit to obtain harmonious color relationships in your home. 25c.

D105. DECORATING MADE EASY with ready-to-use Valspar Velvet. Informative booklet shows you how to choose colors for walls, woodwork and ceilings for fresh room schemes. Has helpful tips on how to apply on practically any interior surface. 10c.

HARDWARE

E1. MOLLY "SCREW ANCHORS" and "UTILITY PLUG" folders show how you can fasten anything with a Molly... no special tools needed. Indispensable for home, office, industry.

E2. WILLIAMSBURG RESTORATION BRASS RIM LOCKS, reproduced from articles in the buildings at Williamsburg, are shown in the Folger Adam folder. Matching hardware is also described.

E3. THE HINGE THAT HIDES ITSELF... modern hardware for modern architecture. Soss Invisible Hinges are completely hidden from view when door is closed... smooth, streamlined, easy to clean. Folder gives specifications, sizes.

E4. HOME PLANNERS GUIDE shows how Schlage locks add beauty to your home, provide trouble-free security with low-cost installation.

E5. THE KEY TO DISTINCTIVE BEAUTY for your home: a National Lock set. Folder illustrates various types of locks for different uses in the home... gives installation instructions.

E6. REVOLUTIONARY CATCH for cupboard doors is Leco-Latch with permanent magnet. No moving parts; no springs; absolutely trouble-free. Laboratory Equipment Corp. folder gives details.

E7. NEVER-STAIN ALUMINUM NAILS folder by Nichols tells how aluminum nails protect against rust spots and stains, preserve the beauty of newly painted siding.

E8. 3 FINISHES BRING NEW INTEREST to Colonial Cabinet Hardware. Amerock Hardware's folder shows how to bring hardware harmony into any room.

E9. BEAUTY, SECURITY In Your Home is obtained with the modern key-in-knob, Integra Lock. Easy, quick to install. Sargent booklet gives details.

E101. SPACE SAVER for interior sliding doors. Catalog shows the advantage of using Kennatrack hardware, gives instructions for assembly. 10c.

E102. SMART WINDOW STYLING. Booklet by Kirsch Co., makers of drapery hardware, demonstrates new ways of treating windows for new livability, light control, charm and distinction. 25c.

E103. HOW TO SELECT THE RIGHT HARDWARE for your home, by McKinney. Booklet shows designs for forged iron hardware, gives suggestions for interior and exterior uses. 10c.

E104. LOCK TROUBLE OUT. National Brass Co. booklet shows types of Dexter brass and bronze locks, the lock with a million friends. 10c.

E105. IF YOU WEAR CLOTHES You Need K-Veniences, the modern fixtures that put every inch of closet space to work. Instructive booklet shows how to arrange closets for maximum storage—at minimum cost. 10c.

HEATING AND VENTILATION

F1. QUESTIONS AND ANSWERS ABOUT WEBSTER BASEBOARD HEATING are answered in the Webster Company's booklet, which explains the principles and applications of their forced hot water heating system.

F2. A GUIDE TO QUICK HEATING by Markel explains how electrical wall heaters insure correct, healthful comfort—economically and quickly.

F3. HOME VENTILATING FANS booklet by Pasco shows ceiling and wall fans, typical installations.

F4. AUTOMATIC HEAT, WINTER AIR CONDITIONING booklet by General Motors Delco-Heat tells how to get both with oil; why it is clean, comfortable, economical and quiet.

F5. HOW TO PLAN YOUR HOME VENTILATING SYSTEM with an ILG ventilator. Folder illustrates various sizes of units which keep air fresh by eliminating odors and steam from kitchen, keep the rest of the house cleaner, easier to care for.

F6. MODINE CODE-RATED CONVECTOR RADIATION for superb heating comfort. Booklet shows advantages of convector heating system, explains its operation, illustrates various models.

F7. QUICK, CLEAN, COMFORTABLE HEAT with convectors by Young is described in their folder. Illustrations show various models and sizes, adaptable to any kind of room arrangement.

F8. ACTIVATED HEAT is featured in folders describing Niagara automatic warm air furnaces for any home-heating requirement.

F9. ENJOY A NEW QUALITY OF LIVING, winter and summer, with Servel all-year air conditioning. Folder shows how one complete unit serves you all year 'round; operates on gas, oil or steam.

F10. A GUIDE TO THE WISE SELECTION OF HOME HEATING EQUIPMENT. Booklet by Williamson Heater Co. tells you what to look for when you are buying heating equipment for your home.

F11. STRETCH YOUR FUEL DOLLARS folder by U. S. Machine Corp. tells how Winkler Econ-O-Flow oil-fired winter air conditioning furnaces set a new standard of economical, comfortable warm air heating.

F12. DAISY FRESH booklet tells how Kitchen-Aire ventilator removes cooking odors, smoke, stale air and excessive kitchen heat.

F13. LOWER COST RADIANT HEATING booklet tells of Thrush automatic home heating, forced circulatory hot water—available for even the smallest budget home.

F14. NEW HOUSE HEATING COMFORT. An improved forced air heating system can provide a new experience in comfort... installation savings up to 35%. Janitrol's booklet tells you how.

F15. HEATING PLANNED for the type, size, locality of home and price you want. Waterbury booklet describes heating systems to suit your needs.

F16. RADIANT PANEL HEATING with Steel Pipe. In this big, profusely illustrated booklet, the Committee on Steel Pipe Research of the American Iron and Steel Institute answers all your questions on radiant heating—for homes, offices, garages, outdoors.

F17. A NEW CONCEPT OF LIVING COMFORT in your home. Minneapolis-Honeywell booklet describes Honeywell Zone Control, its advantages over a single-thermostat heat-control system.

F18. "MIDGET" LOUVER folder gives the answer to many of your ventilating problems, shows how these all-aluminum ventilators correct moisture blistering of house paint. Easy to install.

F19. KOVEN "MENKO" oil-fired boiler and automatic water heater folders tell why these are your best buys; list the many advantages, including quick installation, fuel savings.

F20. COOL RELIEF from SUMMER HEAT. The low-cost way to cool your entire home is with a Robbins & Myers Attic Fan. Installation is easy, inexpensive. Folder gives details.

F21. CLIMATE CONTROL. This colorful 16-page booklet by Mueller Climatrol gives tips on indoor climate control, including new home construction and modernization.

F22. DRIVE OUT MOISTURE MONSTER that causes damp damage with an Oasis Air Dryer. Ebco Mfg. Co. Folder gives specifications, suggests applications of Oasis de-humidifiers.

F23. CAPTURE THE SUN with Hydro-Flo heating. Bell & Gosset Co. booklet shows benefits of radiant forced hot water heating, suggests 4 ways of having it with Hydro-Flo units.

F24. SPRINGTIME ALL THE TIME in your home. Chrysler Airtemp gives you year-round air conditioning; ventilates, dehumidifies and humidifies; is highly economical. For any climate.

F25. THRIFTY OIL HEAT explains why super-efficient Cleveland Torrid-heat wall flame produces more heat energy from less fuel.

F26. RADIANT HEAT means more comfort with less fuel, as described in illustrated booklet on Iron Fireman gas, oil and coal furnaces, boilers and burners.

F27. INSIDE FACTS about baseboard heating. Folder explains 5 big advantages of Dunham Baseboard Heating, whether you are remodeling or building.

F28. GARDNER ENCLOSURES... built for the lifetime of your home. Folder describes Gardner radiator and undersink enclosures, shows how they bring great convenience and beauty.

F29. WHAT DOES YEAR-ROUND Residential Air-Conditioning cost? Carrier booklet shows how Weather-maker homes, designed around air conditioning, can save you the money to pay for the unit.

F30. HEATILATOR FIREPLACE booklet shows how this famous fireplace unit brings new comfort for your home or camp, circulates heat to all parts of the room.

F31. "X" MARKS THE DANGER SPOTS in your new home. Pryne & Co. booklet shows how Blo-Fan electric ventilators will capture fumes as they rise, eliminate them before they spread.

F32. YEAR-ROUND AIR CONDITIONER cools your entire home in summer, heats it in winter. Booklet describes General Electric Air Wall system, shows how it works.

(Continued on next page)

(Continued from page 235)

F33. YOUR PERFECT FIRE-PLACE illustrates fireplace furnishings and accessories for complete safety, convenience, decorative charm; shows how a Bennett-Ireland fireplace gives smoke-free, extra heat.

F34. BUILT-IN QUIKHETER is illustrated in Frank Adam Electric Co. booklet. Explains principles involved, shows application, gives specifications.

F35. AIR CONDITIONING THE HOME. 14 case histories that can help you. Also check list, equipment facts for the technically minded. By York Refrigeration and Air Conditioning.

F36. MASTER KRAFT AUTOMATIC HEAT portfolio shows how to heat your home at low cost; contains illustrated pages of Master Kraft products, specifications. By Harvey-Whipple, Inc.

F37. THE CONDENSED CATALOG of A-P heat controls for vaporizing oil burning appliances illustrates and describes highlights of the line of heating controls made by A-P Controls Corp.

F38. THE LADY WHO LOVED A THERMOSTAT. Perfex Corporation booklet describes advantages of Magic Dial Thermostats, explains how they assure even heat, greater comfort.

F39. THE LAST WORD in Home Comfort. Booklet by Bundy Tubing Co. tells how Bundyweld Ceiling Radiant Heating will eliminate radiators and drafts, make housework easier.

F40. BRASS AND COPPER IN YOUR HOME. Chase Brass & Copper Co. booklet gives a short history of radiant heating, answers questions regarding radiant heating in the home. Also describes other uses of copper and brass.

F41. PLAN YOUR HOME FOR HEALTH AND COMFORT. American-Standard's booklet shows the latest in heating and plumbing equipment, accessories. Includes planning ideas, dimensions, color cues.

F42. YOUR HEATING, and what to do about it. Folder gives facts, sketches, dimensions on Thatcher's automatic heating units—shows how they can save dollars on your fuel bill. For oil, gas- or coal-fired heating systems.

F43. AUTOMATIC GAS HEAT. Folder explains how your present furnace or boiler can be converted to burn gas, through Republic Radiant Gas Conversion, for more economical, efficient heat.

F44. HEALTHIER, HAPPIER LIVING is yours with a Fedders Room Air Conditioner. Booklet describes how you can have pure, circulating, mountain-cool air all summer long—for far less than you'd imagined.

F45. 100 FIREPLACE IDEAS. 32-page book of fireplace designs and materials . . . for homes, playrooms, summer cottages, cabins. Also describes Fyro-Place by Price Fireplace Heater and Tank Corp.

F46. GLASSHEAT electric heating is the "easy-chair heating system." Continental Radiant Glass Heating Corp. folder tells how Glassheat is 7 ways better—whether you are building or remodeling.

F47. AUTOMATIC COMFORT CONTROL is yours with a Titan Therm-o-Dial electric heater. Set the dial to the desired heat . . . then forget it. Folder gives specifications.

F48. TURB-O-TUBE "Counter Flo" furnace saves space, time, maintenance costs. Perfect for one-floor, basement-less homes. Sheet lists details.

F49. RING YOUR HOME COMFORT. General Automatic booklet tells the complete story of floor-level heating systems: the principles involved, how to install and maintain this type of heat in new or old houses.

F50. FOR HARD-TO-HEAT ROOMS. NuTone Heat-a-lite is the answer. Folder shows how it's a ceiling heater, an overhead light, an air circulator . . . gives installation data, specifications.

F51. ELECTRIC HOME HEATING—Complete or Auxiliary. Folder tells how you get extra benefits with Electromode automatic portable and wall-type heaters.

F52. GAS AND OIL FURNACES. Mor-Sun Warm Air Conditioning furnaces operate on gas, oil or bottled gas, available in styles and capacities to answer needs for economical and dependable year 'round heating and comfort.

F53. MODERATE-COST HEAT AND HOT WATER with Gas . . . with H. B. Smith "Century" gas boiler. Ideal for all heating systems, including radiant or radiant baseboard. Equipped with latest safety devices and controls.

F54. WINNER'S CIRCLE. Kresky oil furnaces put extra warmth in your home, save fuel dollars. No basement needed. Kresky folder explains details.

F55. EXCITING NEWS about Year-Round Air Conditioning from Frigid-Aire. Folder shows how easy it is to select the "weather" you want in your home—all year round.

F101. COMFORT FROM MOVING AIR. 208-page, illustrated Torrington booklet on fans, ventilators, heaters, etc. guides selection of air-moving equipment for home, office and car needs. 10c.

F102. BOOK OF SUCCESSFUL FIREPLACES and How to Build Them. Donley Brothers' booklet gives complete details for planning and building the best kind of fireplace for your home, includes an outline of fireplace history. 50c.

F103. HOW TO SELECT YOUR HEATING SYSTEM. Lennox booklet gives important information for the furnace buyer . . . shows Lennox oil, gas, coal warm air furnaces, summer air coolers. 10c.

F104. HEATFORM FIREPLACES. 36-page booklet shows 50 fireplaces and room settings, tells how to build a Superior Heatform fireplace that circulates heat like a furnace. 50c.

F105. 179 WAYS to cut your heating costs. Heil Automatic Heat booklet tells you how to save many dollars a year on heat—whether steam, hot water, gas or oil. 10c.

F106. MODERN METHODS OF HOME HEATING. Big, comprehensive 70-page book with 12 articles by heating experts. Everything the builder or architect wants to know. Published by Simmons-Boardman. 25c.

INSULATION AND WEATHER-STRIPPING

G1. A GUIDE TO HOME COMFORT all year round. Chamberlin booklet describes advantages of their weatherstripping, rock wool insulation, storm windows . . . also shows wood screens for summertime enjoyment.

G2. ACCURATE METAL WEATHER STRIPS for windows and doors can make all the difference. Illustrated booklet shows pages of details of weatherstripping methods.

G3. WEATHERSTRIP WITH MORTITE. Mortell Co. folder illustrates uses of Mortite weatherstripping tape . . . can be used around windows, baseboard, etc., to keep out air, seal up holes.

G4. SURE SIGN OF COMFORT. Economy and Quality Construction is Owens-Corning Fiberglas. Folder tells where to insulate, how to get the most out of insulation, why Fiberglas gives extra value.

G101. INTERIORS transformed with Nu-Wood—a modern insulating, acoustical and decorating material for walls and ceilings. Wood Conversion Co. portfolio shows possible uses. 10c.

KITCHENS AND LAUNDRIES

H1. ALL YOUR LAUNDRY NEEDS ARE AT YOUR ELBOW with a Blackstone Practical Laundry. The 72-inch, 3-piece combination unit includes automatic washer, dryer and ironer. Booklet illustrates machine's performance and gives installation suggestions.

H2. REVOLUTIONARY! END YOUR WASTE-DISPOSAL PROBLEMS with new, efficient In-Sink-Erator . . . takes care of all your garbage, from coffee grounds to bones. Folder illustrates its advantages and economy.

H3. PLANNING YOUR NEW KITCHEN LAUNDRY. General Electric shows you how to plan an all-electric, super-efficient kitchen around 3 "work centers" to save time, steps. Gives planning tips.

H4. I FEEL LIKE A BRIDE AGAIN tells how much fun it is to keep house with a White Water-Hotter gas or electric automatic heater. Folders list specifications.

H5. STAINLESS STEEL SINK folder tells why Elkay Lustertone sinks never look old or shabby, never wear out or need replacing, don't tarnish. Standard models or custom built.

H6. THE MOST TIME-SAVING APPLIANCE IN ANY KITCHEN. National Rubber Machinery Co. folder describes National Garbage Disposer . . . tells advantages, gives specifications and installation details.

H7. PLAN A CHEERFUL "LIVING KITCHEN" with natural birch cabinets. Brammer's colorful folder shows model kitchens. Flexible units make it easy to plan.

H8. KITCHEN PRODUCTS. Booklet gives specifications, illustrations and dimensions for American-Standard cabinets, sinks, and kitchenettes.

H9. KITCHEN PLANNING BOOK by American Kitchens shows how to plan kitchen for best color, arrangement; has cut-outs of equipment to help you. Includes folder describing Roto-Tray Dishwasher.

H10. PERMUTIT SOFT WATER folder tells why you will enjoy soft water in your home, how this electro-matic softener pays for itself.

H11. NEVAMAR HIGH PRESSURE LAMINATES are ideal for dinette sets, cocktail tables . . . anything you wish to be resistant to stains, mars, heat, alcohol. Folder shows other uses.

H12. TEXTOLITE Plastics Surfacing resists heat, stain, scratches, alcohol, detergents, bleaches, etc. General Electric folder shows how Textolite is perfect for residential or business interiors.

H13. FORMICA FOR YOUR KITCHEN AND BATHROOM. Formica Co. booklets show beauty and convenience of Formica sink and counter-tops, present new ideas for using Formica in bathrooms.

H14. CULLIGAN SOFT WATER SERVICE means soft water from morning 'til night with no equipment to buy, no work for you. Booklet explains the service.

H15. KITCHENS IN COLOR. Wood-Metal cabinets and accessories come in 12 colors and wood grains. Folder gives special features, shows cabinets.

H101. KITCHEN HINTS booklet crammed with latest trends in kitchen design. Kitchen Maid gives you a checklist of planning ideas, dream kitchen arrangements, color tips. 10c.

H102. STEEL KITCHEN CABINETS. Capitol Line's booklet shows how you can have an attractive, modern kitchen "tailored" to fit your space and budget requirements. 10c.

H103. PORTA-BILT PLANNED MUTSCHLER CUSTOM KITCHENS. Mutschler Bros. booklet shows how to plan or remodel your kitchen for greater efficiency, convenience and beauty. 35c.

H104. PLANORAMA of Beautycraft Kitchens. Booklet shows basic units and kitchen accessories designed to make your kitchen more streamlined, easier to work in. 25c.

H105. THE WORLD'S NEWEST KITCHEN IDEAS. Youngstown Kitchens booklet shows everything you need for a friendly family-kitchen, from dishwashers to whatnot shelves. 10c.

H106. 101 PROBLEMS IN PLANNING A KITCHEN are solved by Coppes-Nappanee booklet. Lists all points to consider whether remodeling or building new; helpful ideas. 25c.

H107. KITCHENS FOR LIVING by St. Charles. Booklet tells how to plan and choose a kitchen you can live with... shows general and specific purpose units, kitchen accessories, counter and sink tops. 10c.

WALL AND FLOOR MATERIALS

J1. HOW TO CREATE THE FINEST WOOD FINISHES. Monsanto booklet shows how Rez synthetic resin sealer is used to finish inside or outside wood. It includes directions for application, new ideas for building with wood.

J2. PLASTIC WALL TILE folder by Wilson shows how to plan your walls, bring enduring beauty to kitchen, bathroom, laundry or rumpus room with easy-to-install Lockback Plastic tiles.

J3. MIRACLE WALLS. Tylac Co. folders show color magic and new beauty for old walls and ceilings with Tylac plastic enamel wall panels.

J4. COLOR SUGGESTIONS. U. S. Quarry Tile Co. folder shows Romany Real Clay Tiles in many colors and combinations, perfect for countless places in the home.

J5. MINWAX WOOD FINISH folder shows transparent and masking stain colors for floors, trim, paneling, furniture; gives directions for application.

J6. PICTURE YOUR FLOORS AND WALLS in Tile-Tex, asphalt floor tile that gives beauty for years. Booklet shows how perfect Tile-Tex is in traditional or modern homes.

J7. NEW WALLS AS LOVELY AS THESE folder describes how easy it is to apply Panel Sheetrock, the fire-proof Gypsum Wallboard. No joints to treat, no nails to conceal. In knotty pine, striated or plain panels.

J8. A GAY NEW FLOOR FASHION to cheer up your home! Mastic Tile Corp. folder illustrates Matico Confetti asphalt tile in 9 striking color combinations adaptable to conventional or modern homes.

J9. MARBLE FOR THE HOME. Booklet by Marble Institute of America shows versatility of marble for decorative purposes, gives suggestions for its use in many places in the home.

J10. HOW TO INSTALL VINYL TILE by Goodyear. Folder shows how to plan your own floor, gives 6 steps for installing this beautiful flooring that never needs waxing.

J11. YOUR INVITATION TO BEAUTY. Folder by Southwood Corp. describes Amerwood, pre-finished pine wall-boarding... suggests uses and illustrates rooms finished with Amerwood walls.

J12. DECORATOR-APPROVED COLORS AND DESIGNS for rooms of lasting loveliness. Illustrated folder by Amtico shows colors, ideas for room schemes, combinations for floor plans.

J13. NEW BEAUTY FOR YOUR FLOORS with Flor-ever, the Vinyl Flooring. Booklets feature newest colors, designs—by the tile, by the yard. Plus durability, installation facts.

J14. REFINISHING WOOD FLOORS, A Manual of Modern Methods and Materials by Pierce and Stevens, Inc., gives steps for the most successful way to refinish wood floors.

J15. TODAY'S PLANS FOR TOMORROW CALL FOR RUBBER. RCA Rubber Co. booklet tells uses of Flexi-Flor floors of rubber and Wall-Flex walls of rubber... shows choice of 28 decorator colors, several designs.

J16. WALLS YOU LOVE TO LIVE WITH made of Crown Steel Wall Tile. Ohio Can and Crown Company folder describes variety of colors, shapes, sizes of stainless steel tiles.

J17. ENCHANTING HOMES. Western Pine Association's picture-packed booklet shows beautiful pine rooms, pine exteriors, tells why outside or inside, pine is rugged, easy to maintain.

J18. B. F. GOODRICH KORO-SEAL FLOOR TILE folder shows full color line of this modern flooring, installation scenes, specifications and detailed information.

J19. MODERNIZE YOUR HOME with Decorative Glass. Mississippi Glass Co. booklet shows how glass can bring you cheerful, brighter living around the clock.

J20. VINA-LUX is a reinforced vinyl tile flooring by the makers of Azrock Asphalt Tile. Folder illustrates colors, how to build beautiful floors; gives installation data.

J101. THE IDEA BOOK OF TILE by the American-Olean Tile Company illustrates tiles for use in bathrooms, kitchens, and game rooms... contains decorating suggestions to emphasize the beauty of tiled rooms. 10c.

J102. NEW ADVENTURES IN DECORATING with Blue Ridge Patterned Glass. Booklet illustrates suggestions for adding new brightness to your rooms through using decorative glass for walls, panels, etc. 10c.

J103. BEAUTIFUL WOOD FOR BEAUTIFUL HOMES—with Weldwood Plywood. U. S. Plywood Corp. booklet gives tips for bringing a new personality to your home with Weldwood Plywood paneling. 10c.

J104. HOW TO PLAN AND DECORATE WITH FURNITURE. National Oak Flooring Co.'s new booklet is a guide to furniture style... includes tips on how to mix different periods, "decorator suggestions" for the right accessories. 10c.

J105. A PORTFOLIO OF ARCHITECTURAL DESIGNS for Plywood Built-Ins. Douglas Fir Plywood Assn. booklet presents outstanding designs for plywood built-in features to make your home more livable. 10c.

J106. LATEST TREND IN COLOR styling booklet shows how Ponderosa Pine Decorator doors can bring you a bright new world of color, more charm in any style home. Dozens of ideas for decorating doors. 25c.

J107. LOOK WHAT SMART KITCHENS AND BATHROOMS ARE WEARING! Church Co. booklet illustrates various uses of Church plastic wall tile in bathrooms and kitchens, gives decorating hints. 25c.

J108. THE MODERN STYLE IS TILE for a more beautiful home. Tile Council of America's booklet shows many uses of clay tile, both inside and outside the house... tells advantages of clay tile. 10c.

J109. REMODELING MAGIC. A booklet of tricks you can do with Gold Bond Gypsum Wallboard to put basements and attics to work. How to add a room with interior partitions; how to select and apply wallboard. 10c.

J110. MIRAPLAS styron wall tile offers a lifetime of beauty in bathroom or kitchen; is easily, quickly installed over any new or old walls, without fuss or muss. S & W Moulding Co. booklet illustrates colors. 10c.

WINDOWS AND DOORS

K1. MADE TO LAST A HOUSE-TIME! Gate City Awning Windows keep you climate-comfortable. Economic, safe, durable... adaptable to any climate, as described in folder.

K2. WINDOW IDEAS... 26 WAYS TO ADD BEAUTY TO YOUR HOME. Andersen Corp. booklet shows how Windowalls can add space to your rooms, bring the outdoors into your home.

K3. A NEW IDEA IN WINDOWS. Sun-Sash lists the many advantages in comfort, decoration, and economy that air-control louvered glass windows give.

K4. BALANCED UNIT WINDOWS. Folder explains why Caldwell windows are so smooth and quiet, how they reduce installation time, cut installation costs.

K5. TURN ON THE DAYLIGHT. Good daylighting means more abundant living. Wascolite Skydomes bring cheerful daylight into all parts of the home, brighten dismal places, provide more wall space, cut down light bills.

K6. PUSH OUT YOUR WALLS WITH WINDOWS. Michael Flynn Manufacturing Co. folder tells the advantages of Lupton Metal Casement Windows... make your room look twice as big, twice as lovely.

K7. WINDOWS WOMEN WANT. Folder explains why removable R.O.W. spring cushion window units are a favorite with good housekeepers, how one unit performs double function of weatherstripping and balancing.

K8. WISCO STORM WINDOWS, Storm Doors, Porch Enclosures booklet shows how aluminum windows, doors, screens emphasize the beauty of your home, give comfort and protection.

K9. MORE SPACE FOR LIVING folder shows how Modernfold Doors save all the space swinging doors waste, soon pay for themselves by giving you cost-free service.

K10. CELLAR DOORS. "Bilco Opens the Way to New Living Pleasure" tells how Bilco Copper-steel Cella-doors help you and your family get more out of life, enjoy your basement, eliminate worry of burglars.

K11. NEW IMPROVED HIDA-LIFT booklet lists the many advantages of using this 100% concealed sash balance, shows the 6 easy steps for rapid installation.

K12. LIGHT UP YOUR LIVING with Curtis Silentite Windows. Profusely illustrated booklet tells how Silentite windows add beauty to your home, lower heating costs, never rattle, bind or stick.

K13. RESIDENTIAL STEEL WINDOWS by Truscon, Double-hung or Casement styles. Booklet gives types and sizes... shows steel doors, other products for residential construction.

K14. RUSCO WINDOW folders tell how to end window problems in your home, get added beauty, comfort, convenience, safety and economy.

K15. INTERIOR STEEL DOOR and frame units by Amweld offer the maximum per building dollar. Booklet illustrates inter-lock frames, sliding closet units; gives door, frame and architect's specifications.

K16. AUTOMATIC TENSION SCREENS illustrated by Columbia Mills in booklet showing operation, installation of Columbia-Matic screens.

K17. METAL DOORS AND FRAMES assure a lifetime of satisfaction. Diebold's booklet explains how they give maximum strength with minimum maintenance, are economical to install. Architect's and contractor's specifications plus door specifications.

K18. PASSING THE SCREEN TEST. Booklet by Plastic Woven Products, Inc. shows many advantages of permanent screening of Firestone Velon.

K19. SELF INSULATING WINDOWS of Thermopane. Libbey-Owens-Ford's booklet shows how to open up your walls with Thermopane, lists the many benefits of double-glass insulation—economy, comfort, convenience.

K20. ALL THE NEWS in wood windows by Woodco. Fully detailed booklets list all benefits of sliding, casement, Auto-lok awning windows—removable screens, storm sash.

K21. AMERICA'S FINEST ONE-PIECE ALL-STEEL GARAGE DOOR... the new Berry Door. Steel Door Corp. booklet shows design, materials, operation of spring-suspended, weather-sealed garage doors, available in sliding or overhead models.

K22. KEEP THE COLD OUT, THE HEAT IN—with Storm Enclosures by Eagle-Picher. Booklet shows all-weather storm windows and screens, screen doors for every need.

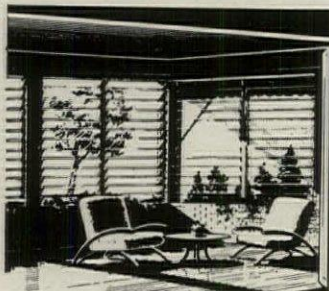
(Continued on page 238)



A new experience in living...



For kitchen and dining areas draft free ventilation reduces cooking odor and affords comfort while eating.



Ideal for porch enclosures and breezeways — new and old — provides a year 'round room at low cost.

For controlled ventilation

At the touch of your finger you can make every room in your home cool in summer, warm in winter—without drafts. Sun-Sash literally b-r-e-a-k-s the fresh air so essential to good health and comfortable living. From Cape Cod to Modern, Sun-Sash increases the beauty of interior or exterior decor. The smooth horizontal lines blend perfectly with any type of architecture. Sun-Sash can be easily installed by anyone in a matter of minutes—and at lowest cost to you.

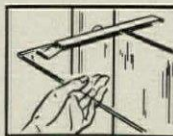
SUN-SASH GIVES YOU ALL THESE OTHER ADVANTAGES:

- Inside cleaning . . . outside surfaces are easily cleaned from the inside.
- One hand operation . . . no more sticky windows to struggle with.
- Protection from burglars . . . no one can climb in even when windows are fully opened.
- Safe . . . small openings prevent children from falling out.
- Simple low cost glass replacement . . . no putty—anyone can replace broken panes.

INSTALLATION IS EASY AND INEXPENSIVE



1. Screw on Sun-Sash fittings to side of window frames.



2. Slide glass louvres in to rattle-proof spring clip holders.



3. Close end of clips over glass to hold blades firmly in position.



4. Install 3/4" stop top & bottom.

MAIL THIS COUPON TODAY:

HG2

SUN-SASH COMPANY
38 PARK ROW, N. Y. 38, N. Y.

Please send me free literature on Sun-Sash Louvred windows.

NAME.....

ADDRESS.....

CITY.....STATE.....

BOOKLETS

(Continued from page 237)

K23. THE DOOR WITH A BACKGROUND OF EXPERIENCE AND PERFORMANCE. Folder by Paine Lumber Co. shows Paine Rezo flush doors for interior or exterior use, available in regular or special designs.

K24. KOOLSHADE . . . the Sun Screen that Puts Your Building in the Shade. Ingersoll Steel booklet shows how permanently set louvers keep out sun's heat, let in its light.

K25. WIN-DOR JALOUSIE doors and windows give you the charm of outdoor living with indoor protection. Casement Hardware Co.'s booklet shows how to use Jalousies anywhere, everywhere in your home for more beauty.

K26. FAMOUS BEE GEE WINDOWS, styled as a complete unit, will give your home new charm, inside and out. Booklet illustrates 179 styles, sizes of all-wood picture, casement windows.

K27. BEAUTIFUL PICTURE WINDOWS. 32-page booklet by Fleetlite shows how to plan beautiful windows for every room in your house—whether building or remodeling.

K28. CASEMENT WINDOW IDEAS by Rolscreen shows how Pella windows add to the joy of living in homes today. Ideas for corner constructions, brighter kitchens, window-walls . . . adaptable to any type of house.

K29. WATER WATER EVERYWHERE . . . except in a properly ventilated house. Ceco Corp. booklet explains condensation and its dangers, tells how to avoid excessive moisture in the air.

K30. SECTIONAL STEEL GARAGE DOORS. Morrison Roly-Door sectional steel overhead garage doors open and close with finger-tip action. Booklet tells why they won't rot, warp or absorb moisture . . . low-cost and easily installed.

K32. AUTO-LOK ALUMINUM WINDOWS. Ludman catalog shows operation, sizes of wood or aluminum awning-type windows, window accessories.

K33. I'M GLAD I BOUGHT Miami Windows Because . . . is title of booklet telling why architects, engineers, builders and home owners recommend all-aluminum Miami Awning windows; how they cut heating costs, give better ventilation.

K34. ENCLOSE YOUR PORCH with Jal-Win, the picture window that opens. Arnold Corp. booklet shows how a porch enclosed with Jal-Win louvred glass windows will add a room to your house.

K35. GLAMOUR WITH GLASS. A little extra glass means a lot of extra charm. Pittsburgh Plate Glass Co.'s booklet shows, in color, how to glamorize every room in your home.

K101. HOW TO PLAN YOUR GARAGE. Illustrated booklet by Crawford Door Company gives tips for making the most of garage space and for overcoming driveway problems. 15c.

K102. INTERIOR ADJUSTABLE SHUTTERS by Shuttercraft are pre-assembled, ready to trim, most economical. Picture-packed booklet shows decorator use in every room. 25c.

WIRING, LIGHTING AND ELECTRICITY

L1. ANY QUESTIONS on the Kirlin system of streamlined lighting? Folder will answer them . . . also gives illustrations of Kirlin recessed lighting fixtures. Modern, easy-to-install system is available for either incandescent or fluorescent lighting.

L2. PACEMAKER booklet by Lightolier shows new ideas in decorative lighting, a new advance in lighting science, "mood lighting" for your home.

L3. GOOD-BYE TO FUSES. Booklet tells how Cutler-Hammer Multi-Breaker ends old-fashioned "fuse-box" annoyances, protects your home against overloads.

L4. BULLDOG PUSHMATIC ELECTRI-CENTERS are "successors to fuse boxes" . . . provide control and protection for every circuit in the home or plant; give long, trouble-free service. Booklet gives specifications for basic XD and PB panels.

L5. SEE YOUR HOME IN A NEW LIGHT. General Electric gives you 22 recipes for better living in a better lighted home—everything from TV viewing to reading in bed; nothing needed but a tape measure.

L6. DON'T LET THIS HAPPEN TO YOUR CHILD! Bell Electric Co. folder illustrates No-Shok twin convenience outlets, with automatic closing to prevent short circuits, shocks, burns.

L7. LIGHTING IDEAS for a Brighter, Happier Home shows how to plan your lighting when you plan your home. Folder illustrates many benefits of Marco recessed lighting.

L101. ELECTRICAL LIVING—And How To Have It. Westinghouse booklet shows how a planned kitchen, laundry, lighting and wiring make for better living; tells you where to go for planning help, where to get the money. 10c.

L102. BETTER LIGHTING for every room, every budget by Moe Light Inc. Colorfully illustrated booklet shows the news in recessed lighting, fluorescent fixtures, decorator-inspired valance lighting, ceiling and wall lights for good living. Complete with sketches, measurements, buying index. 30c.

MISCELLANEOUS

M1. FOLDING ATTIC STAIRWAY by Precision Parts Corp. is described in detail in folder. Safe, strong, easy to operate, inexpensive to install . . . equipped with safety tread, insulated door panel.

M2. WHY TAKE CHANCES WITH FIRE? Allen Co. folder shows necessity for Allenco fire hose station for better protection from fire.

(Continued on page 239)

BOOKLETS

(Continued from page 238)

M3. MAKE IT YOURSELF. DeWalt folder shows Power Shop models MB, GS, GW . . . tells the complete story of what you can do at home with DeWalt Machines. Also offers free subscription to monthly how-to-do-it bulletin.

M4. CHEERFUL EARFUL pamphlet shows 15 NuTone electric chimes for a "cheerful earful" at your kitchen, hallway or front door. Also non-electric chime needing no wires or batteries.

M5. NO MORE STEPS. Booklet shows 7 types of Sedgwick residence elevators that may be fitted into any home without sacrifice of space or costly alterations.

M6. LAWN CARE made easy with Scott's Lawn Care pamphlets. Scott bulletin service tells how, when and what to use. Free two-year subscription yours for the asking.

M7. SWIMMING POOLS. Modern's booklet is an authoritative reference for all pool and beachfront requirements: supplies, chemicals, equipment.

M8. FOREVER YOURS . . . on Ekotape. Booklet describes Webster Electric tape-recording equipment, "the tool of a hundred uses." Useful in homes, business, entertainment, schools.

M9. HOW TO CHOOSE VENETIAN BLINDS. Flexalum tells you how, gives clever decorating ideas for windows, color combinations for slats, tapes.

M10. DOOR CHIMES booklet by Rittenhouse, "Hospitality Begins at the Front Entrance," tells how chimes add beauty and charm to your home . . . shows chimes for every type house.

M11. HERCULES FURNACE-TESTED WALL VAULTS by Meilink are home protection for your valuables against fire and theft. Folder illustrates sizes, specifications, advantages.

M12. NEW STRENGTH FOR SAGGING FLOORS. Cracking Walls. Easy-to-install Tel-O-Post provides support in cellars, under porches, in garages, etc. Folder gives all facts.

M13. FIRE EXTINGUISHERS—What You Should Know About Them. A "short course" in first-aid fire protection by Pyrene.

M14. WEL-BILT FOLD-A-WAY STAIRWAY saves space, is ideal for small homes . . . converts your attic into an extra room easily and at small cost. Folder gives sizes, specifications . . . illustrates operation, uses.

M15. STORY OF A MODERN CINDERELLA. How to keep your house sparkling—the easy way. Booklets on Regina Electric Polisher, Scrubber and Elektrikbroom give details.

M16. MORE AND BETTER CLOSETS for new or old homes with Brown's Supercedar Closet Lining. George C. Brown & Co. booklet shows cedar closets that can be built into your home to assure safe and proper storage.

M17. THE "WIRE-LESS" INTERCOM. Vocaline Co. folder explains Vocatron portable "plug-in" intercom system that requires no installation and no wires . . . provides quick 2-way communication.

M18. SWIMMING POOLS. Standard's booklet on all stainless steel pools, why they are a good investment, not an expense.

M19. TRUE-TO-LIFE-LISTENING. Bell Custom High Fidelity Amplifier with Remote Control gives you new adventures in music appreciation. Folder lists the highlights and specifications.

M20. YOUR LUMBER'S FUTURE assured by Protexol. Booklet describes wood preservative that protects wood from fire and decay.

M21. PEASE FABRICATED HOMES. Profusely illustrated new catalog of distinctive quality homes, including floor plans, specifications, prices, etc. Wide variety of designs and variations to choose from. Also shows complete line of building materials and specialties.

M22. YOUR OWN HIRED HAND. Just press a button from within your car . . . the Crane "300" automatically opens and closes garage doors; lights up interior and driveway; keeps garage locked when closed. Crane folder tells how.

M23. TORO WHIRLWIND POWER MOWERS fill every mowing need. Folder shows complete line ranging from 18" to 27", reel or rotary type.

M24. SELECTING A WOOD PRESERVATIVE. Cuprinol booklet tells how to preserve life and beauty of wood . . . how to protect against warping, shrinking, rot, termites.

M25. GONE FOREVER—the messiest job in your house. Duo-Way push-button disposal unit disposes of garbage, papers, etc., in clean, economical manner . . . then cleans itself. Folder explains this new complete service.

M26. ORNAMENTAL IRON adds matchless beauty to your home—lasts forever. Coffman's folder illustrates uses, striking designs.

M27. PAINT NEWS by Cook & Dunn Paint Corp. gives decorating tricks, painting tips on everything from refrigerators to storm sashes.

M28. MIRROR PANELS by Creative Workshops lend themselves to countless uses. Folder illustrates ideas used in clients' homes to solve decorating problems. The perfect answer, you can install them yourself!

M29. REMOTE-CONTROL WIRING SYSTEM by General Electric is illustrated in folder. Shows how you can have push-button lighting control from any point in your house.

M30. BEAUTIFY AND PROTECT your property with an Anchor Fence, as described in Anchor Post's booklet. Shows chain link fences for every size and type of house, illustrates various types of gates.

M31. ROLLA-HEAD BOOKLET by Eastern Machine Products offers samples of Rolla-Head SF-55 venetian blind slats in 14 decorator colors, describes Eastern's line.

M101. HODGSON HOUSES, built from basic units, are constructed for permanence and long life, can be enlarged later. Folder includes floor plans, ruled planning sheet. 25c.

(Continued on page 240)

Is a MOISTURE MONSTER ruining your basement?



Want to get rid of the Moisture Monster that keeps you from enjoying your basement? You can keep him from rusting your furnace, tools, and shop equipment. Your laundry will dry quicker, and you'll put an end to dripping pipes . . . mildewed clothing . . . warped woodwork. With an Oasis Air Drier, you can make your basement completely liveable!

Get a FREE Demonstration!

"After we started to use the Oasis, the basement was drier than the first floor, and especially so in damp weather," writes Mr. R. E. Aanestad, of Ottumwa, Iowa. Get a free demonstration, and see how Oasis removes up to 3 gallons of water from the air every 24 hours. Gets rid of damp, musty odors. Stops moisture damage! Just plug into any AC outlet. Handsome styling, for home office, or store. See your dealer, or MAIL COUPON TODAY!



Clip and Mail

OASIS Air Drier

ELECTRIC DEHUMIDIFIER

THE EBCO MANUFACTURING CO.

406-A W. Town St., Columbus 8, Ohio

Send free literature on Oasis Air Drier

NAME _____

ADDRESS _____

CITY _____ STATE _____

Enjoy the Beauty, Convenience and Comfort



FLEETLITE double hung windows on each side of Fleetlite matching picture window.

of the Fabulous New Fleetlite Aluminum Windows

Fleetlite is the revolutionary new window—the complete year-around unit combining interior and exterior double hung windows and screen in a four channel extruded aluminum frame—warmer in winter, cooler in summer—the greatest advance ever in window engineering.

The lasting lustrous beauty of extruded aluminum, the Koroseal mounted glass, the plastic screen, all sash so easily removed (for cleaning) from inside, contribute to new living standards. Gone is the annual task of removing, storing, cleaning, repainting and installing cumbersome storm windows and screens.

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WRITE today for
Complete Details.

Fleetlite
AMERICA'S Finest WINDOW

Made by

FLEET OF AMERICA, INC., 415 DUN BLDG., BUFFALO 2, N. Y.

(Continued from page 239)

M102. HOW TO BUILD YOUR OUTDOOR FIREPLACE... according to instructions by the Hancock Iron Works. Folder shows several designs, gives building suggestions, illustrates fireplace accessories. 10c.

M103. 50 PLACES IN YOUR HOME to build better and save money. How to use Homasote for sheathing, interior finish... 100 other uses. How to use Nova roller doors, closet fronts, sliding windows, sidewalls, roofs and wall units in building, rebuilding, modernizing. 25c.

M104. LIBERTY READY-CUT HOMES... economical and easy to build. Folder gives 30 designs for fine, low-cost modern 1- or 2-story houses... includes detailed description of construction. 25c.

M105. OUTDOOR FIREPLACES. Donley's fact-packed booklet tells you how to build them, gives tips on everything from location to fuel. 25c.

M106. WILLIAMSBURG RESTORATION Furniture Reproductions. A guide to construction features, with historical background and illustrations of reproductions by Kittinger. 25c.

M107. OUTDOOR COOK-NOOK. 56-page book gives do's and don'ts of outdoor fireplace construction, specifications for simple and elaborate designs, menus and tasty recipes. Prepared by Majestic Company. 25c.

M108. FOAM RUBBER CENTER. Portfolio illustrates Foam Rubber Center's line of modern foam rubber furniture, giving specifications and quoting prices. 10c.

M109. SECTIONAL LOG CABINS for country living. Brownlee booklet shows models and floor plans of several sizes and designs... also includes construction information. 25c.

M110. PLANNING OR DREAMING booklet contains 75 individual designs, over 135 floor plans by the Home Building Plan Service. Complete working blueprints for each plan available at \$25 to \$30. Booklet, \$1.

M111. A SOUND APPROACH TO BETTER LISTENING AT HOME. Deems Taylor shows how to choose, assemble and install your own high fidelity music system. Booklet by Radio Craftsmen Inc. includes pictures, sketches, facts. 10c.

M112. HARMONIOUS HOMES— over 600 possible plans for homes, duplexes, courts, garage apartments are featured in illustrated 40-page book by Southern California Building Permit Service. Sets of working drawings, specifications available. \$1.00.

M114. RICHMOND catalog illustrates complete line of vitreous china plumbing fixtures for the bathroom: water closets, lavatories, bathtubs, in "whiter-white" or pastel colors. Also includes cabinet-type sinks. 10c.

M115. AUTOMATIC GAS WATER HEATING. Ruud's booklet tells you how hot water works for you. Includes a table showing amount of hot water you need to fit your home requirements. 10c.

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WINTER
AIR CON-
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COMPACT, QUIET, ECONOMICAL!

A marvel of scientific designing for more comfortable, more economical home heating! Forced circulation warm air with your choice of oil or gas-firing... basement or utility room installation... conventional or perimeter heating. Easy to switch from one fuel to another.

The Winkler Universal Furnace is a fully equipped unit—furnace, burner, controls and wiring—everything for a complete winter air-conditioning installation, except ducts.

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Beautiful Economical CABOT'S Ranch House Hues

Finish your home in the soft, pastel shades of Cabot's Ranch House Hues... based on the traditional colors of the old Spanish Southwest.

Cabot's Ranch House Hues combine a unique flat finish with effective hiding power... enhance the attractive texture of exterior woodwork, siding, shingles, clapboards. Ideal for new or weathered redwood, fir, pine, Philippine mahogany and other woods.

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Send me color card showing these exciting new Ranch House Hues—Salinas Fawn, Mimosa Yellow, Sombrero Buff, Sagebrush Gray, Hacienda Gray, El Capitan Gray, Sequoia Red and Pipestone Red. Available from no other source. Address Samuel Cabot, Inc., 613 Oliver Bldg., Boston 9, Mass.

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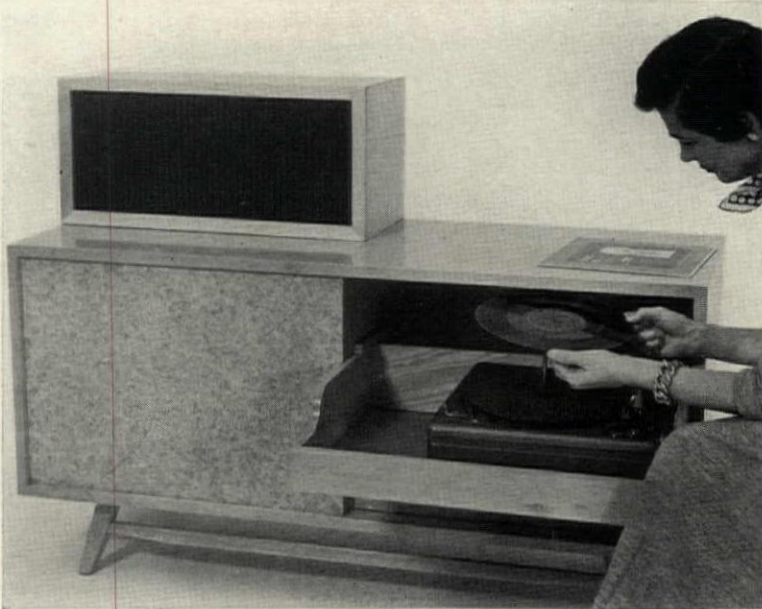
TWEETER AND WOOFER, continued from page 233

a list price for the various units. However, most radio supply houses sell at prices 40 per cent off list.

Because your own particular ear is the best test for what you want to buy, you should go to one of these houses and hear "hi-fi" for yourself. If there is none in your community, there is a big and reliable mail-order busi-

ness being built up in every large city. These firms will advise you on units in your price range and you'll be assured that everything matches when you get the units you select. Not only that, but everything plugs in easily and you won't have to know input and output impedance, stylus pressures, and frequency curves to start listening to Bach, Brahms, Beethoven, or boogie.

GRIGSBY



Speaker is in cabinet on top, record player and controls below



... for homes beyond the water mains

F & W PUMPS OFFER 4 BIG ADVANTAGES!

► You're sure to have plenty of water with an F & W Pump . . . for these important reasons: *First*, the line's complete, with a model to fill your requirements exactly! *Second*, F & W Pumps have proven their dependability in farm and home use for 87 years. *Third*, long-life and low-cost maintenance are assured by corrosion-resistant materials and sturdy design. Every F & W Pump is individually factory-tested! *Fourth*,

advanced design and engineering make F & W Pumps most efficient and economical to operate. For example, the F & W VARIJET pumps 40 to 70% more water, yet uses less electricity than any other shallow-well jet pump, thanks to its exclusive variable ejector! Send for FREE booklet, or see your F & W dealer today!

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F & W 2 STAGE DEEP-WELL JET—Delivers extra capacity. New automatic control valve assures top performance.



F & W MULTI-PURPOSE JET—Change from shallow to deep well by moving jet off pump down into well at no extra cost!



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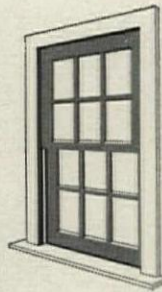
INSULATION, continued from page 223

Lightweight concrete, a mixture of vermiculite and portland cement, has become increasingly popular when poured as a slab under the heating coils of a radiant heating system. The coils are then enclosed in a slab of conventional concrete. Even when such slabs are laid directly on the ground, they are free from dampness even on warm, humid days, resist rot, and cannot be penetrated by rodents or vermin.

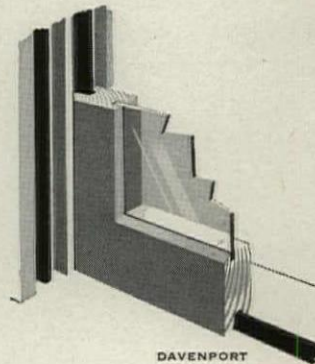
WHERE TO PLACE INSULATION

This largely depends on the individual house, its location and exposures. However, in general, insulation should be considered a blanket which encloses the living portions of a house. Exterior walls and roofs, if the attic is to be used, should receive insulation. Where the attic is too small or not easily available, insulation should be placed between the ceiling framing of the upper story. Insulation should also be placed around all dormers, over flat roofs, in the floor of a basementless house with a crawl space beneath, in a shed roof and around the edges of a first floor concrete slab resting on the ground. If a garage is to remain unheated, the wall adjoining should be fully insulated. This applies, too, to all walls next to an open porch.

In order to eliminate attic heat in summer and reduce winter condensation, ventilators should be placed in gables or eaves. This will guarantee a free flow of fresh air to carry the moisture out of the house.

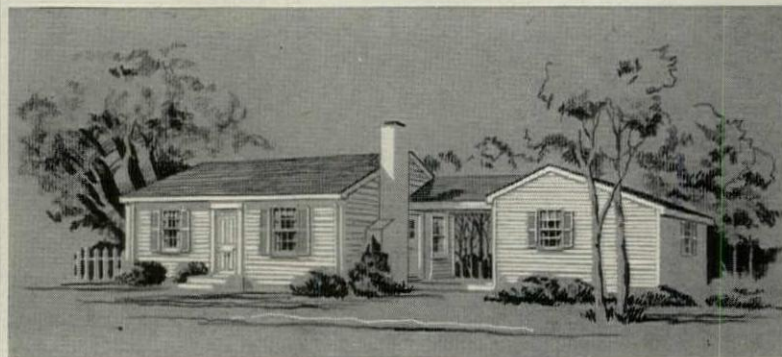


Weatherstripping, built-in or applied, helps retain interior heat in winter, keeps out sun's hot rays in summer. (Detail below)



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SAVE 50% OF COST

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A few spare hours, plus a saw, plane, screw driver (and some sandpaper, stain or paint!) are all you need to fit, finish and install these authentic replica INTERIOR ADJUSTABLE SHUTTERS to fit your doors or windows. Send inside measurements of doors or windows for low price of these beautiful, new, pre-assembled shutters. No nailing or glueing required. Instructions with each Knock-Down Shutter order. Send only 25c for new illustrated brochure.



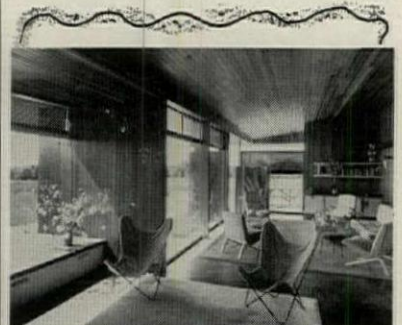
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4 LA PORTE ST., ARCADIA, CALIF.

NOW! interior
adjustable Shutters,
in smart narrow panels,
for as little as
\$16.84* a window;
or **\$31.56**** a door.

*Four 8" panels to fit 32"x36" window

**Four 7 1/2" panels to fit 30"x80" door



Arch.: A. Quincy Jones, Los Angeles, Calif.

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Cabot's Stain Wax

stains and waxes interior wood work in one easy application . . . saves time, labor and money.

Cabot's Stain Wax combines rich, penetrating stain with a lasting, easy-to-clean wax finish. Comes in a wide range of colors including modern blond shades — Glacier Blue, Seashore Gray, Ivory, White or Natural. Also traditional dark shades . . . Maple, Mahogany, Walnut, Redwood. White and Natural may be tinted with colors in oil.

Write today

for Cabot's Stain Wax

Color Card and complete information. Address Samuel Cabot, Inc., 614 Oliver Bldg., Boston 9, Mass.

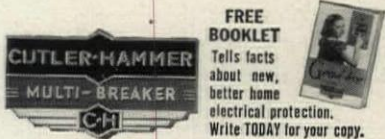
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Include this MODERN Electrical Protection and END the Blown Fuse Nuisance

Why tolerate the blown fuse nuisance in your new home? Why hunt fuses in the dark... or break off in the midst of preparing a meal to go to the store for the new fuses you forgot to buy? Why stumble down dark cellar stairs and fumble in the old fuse-box wondering what to do? The Cutler-Hammer Multi-Breaker ends this annoyance forever. It is installed in the kitchen or any other convenient place. And when service goes off, all you do is reset a tiny lever that has snapped out of position. Nothing to buy... nothing to replace! Service is restored in the twinkling of an eye... even by a child! The average new home can have this modern and safe protection for very little additional cost. Also easily installed in old homes. What are all the facts? Write today for our free booklet "Goodbye to Fuses." CUTLER-HAMMER, Inc., Pioneer Electrical Manufacturers, 1397 St. Paul Ave., Milwaukee 1, Wisconsin.



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Tells facts about new, better home electrical protection. Write TODAY for your copy.

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Here's a sure cure for condensation drip that falls from cold water pipes in basements and utility rooms, especially during warm weather.

Now you can turn idle space into play or work rooms for comfortable summer living. Keep store rooms dry.

Just wrap cork-filled NoDrip Tape around pipes and joints. You can do this yourself. NoDrip Tape is clean and easy to put on in a few minutes. It's effective immediately—stops the drip and protects pipes against rust. NoDrip Tape requires no maintenance and lasts indefinitely. The first cost is the only cost.

Get it at hardware, housewares or department stores or sent postpaid.

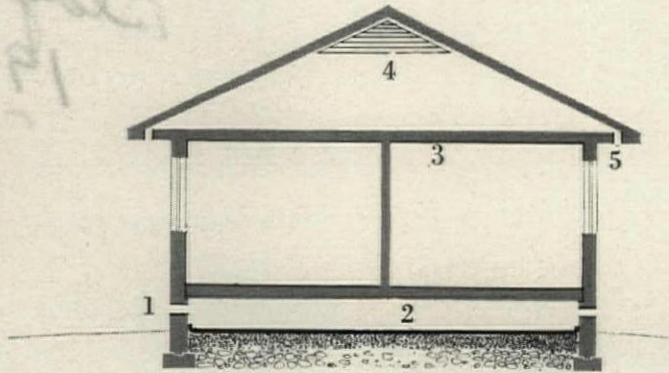
Roll covers about 10 feet of 1/2" pipe... \$1.69
Slightly higher west of Rockies and in Canada.
Write for free circular

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Technical Coatings since 1895
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MOISTURE, continued from page 224

a personal one like the amount of heat you want for comfort. In dry, overheated houses, humidity often has to be added in winter. If you take the pre-

cautions outlined here, you can have fresh, properly humidified air in your house and still protect it from damaging condensation.



A basementless house has special moisture problems of its own. To combat them, here are five things you should do. 1. Put a vent space under the house to allow air to circulate. 2. Lay roofing paper or a thin slab of waterproof cement on the ground. 3. Install vapor barriers in the ceiling below the insulation, beneath the floor boards and above the insulation, and finally on the inside of the exterior walls. If your attic is unheated, you should vent it by putting louvers in the gables (4) and also under the eaves of the roof (5). If you do all these things, you will allow moisture to escape from unheated areas where it is a problem.

BUY BONDS

CONVERT YOUR ATTIC TO AN EXTRA ROOM

SAFE, EASILY ACCESSIBLE ATTIC SPACE WITH
EZ-WAY STAIRWAYS

Overnight—at amazingly low cost—your waste attic space becomes a playroom for children, a den, emergency guest quarters or valuable storage space when you install an EZ-WAY Folding Stairway.

INSTALL IT YOURSELF! EZ-WAY units come to you completely assembled. No special skill is required to make this speedy installation.

An EZ-WAY MODEL TO FIT EVERY NEED! Take your choice of three stairway styles, engineered to meet every space requirement.



1. EZ-WAY FOLDING STAIRWAY

- Touch controlled, balanced spring action
- Attractive styling
- Guard rail and "Safety Walk" treads



2. EZ-WAY ECONOMY LADDER

- Fits any opening 18" wide or wider
- Disappears within attic
- Extremely low cost



3. EZ-WAY SLIDING STAIRWAY

- "Natural" counterbalance
- Detach and use as utility ladder
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GET THE STORY on low cost attic conversion with EZ-WAY STAIRWAYS from your local BUILDING SUPPLY dealer, or write—

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To Assure Maximum Heating Efficiency and Smokeless Operation BUILD YOUR FIREPLACE around...

HEATFORM
The Superior Heat
Circulating Fireplace

HEATFORM air chambers (which surround the firebox and dome) capture and circulate to all parts of the room, and even into adjoining rooms, heat lost up the chimney by the ordinary fireplace. HEATFORM is a perfect guide (hearth to flue) around which the masonry walls are easily built. It avoids faulty construction, often resulting in smokey fireplaces. HEATFORM fireplaces cost but little more, because the unit (consisting of the firebox, throat, dome and damper) replaces some materials and labor necessary to build the old-fashioned fireplace.



The above fireplace is built around Model "A" unit. Side cool-air inlets and front warm-air outlet were used for greater heating efficiency and economy of installation. Side warm-air outlets may be used, if preferred.



HEATFORM Model "A"



The above modern corner fireplace built around Model "S" affords view of fire from front and either side. If you prefer view of fire from front and both sides, use Model "M".



HEATFORM Model "S"

Custom-built Screens and Fuel Grates are available for all models and sizes.

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and dealer nearest you—OR ENCLOSE 50c for (11"x9") 36-page Book of 50 beautiful interiors and fireplace designs selected from our National Prize Photo Contest.

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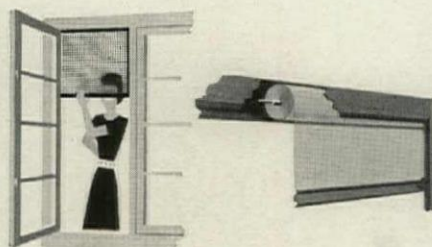


Whirlwind—18", 20" and 21"

Write for descriptive folder to:
TORO MFG. CORP.
Dept. G13
Minneapolis 6, Minn.



HELP YOUR HOUSE, continued from page 225

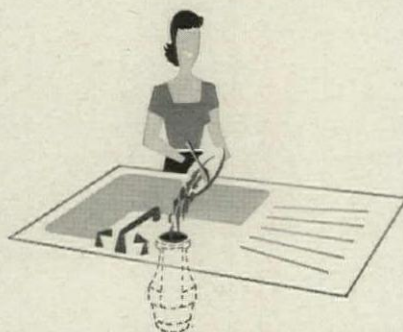


DAVENPORT

Screens that roll up and down, like a window shade, mean no annual demounting and replacement, no storing. Steel rollers, rust-resistant wire cloth, tubular side guides. Fingertip control: release catch, screens roll up. They will fit any window.



Household paint jobs are easy if you have (1) electric paint peeler which removes paint or enamel in one stroke; (2) drip-proof brush with cup inside handle to catch excess paint; (3) drip-proof roller to apply paint.



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*Molding 15¢ per ft. extra—all exp. collect

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This beauty is lasting—even on floors—because MINWAX is a scratch-proof penetrative stain-wax finish... never needs re-scrapping. There's nothing else quite so beautiful for paneling and trim.

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RESIDENCE ELEVATOR
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Go Sedgwick!

STAIR TRAVELOR
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For those who cannot or should not climb stairs—here is greater freedom and convenience in the home. Push a button . . . go to another floor without strain and danger of overexertion. Safe, economical and readily installed. Sound engineering and fine quality construction assure long, dependable service. Doctors and owners recommend Sedgwick. Nationwide representation.

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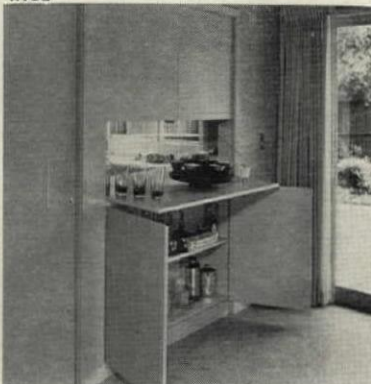
Good storage space is the key to good housekeeping



KERTESZ

Paintings, prints, and ornaments are hard to stow unless you have the kind of closet used in art galleries which is partitioned in different sizes. Architect, Alexander Smith Cochran.

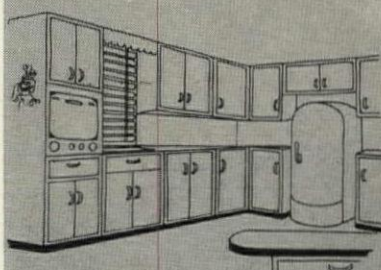
HYDE



This pass-through wall between kitchen and dining room lets down as counter, contains a bar underneath for easy serving on terrace, in dining or living rooms. Worley K. Wong, architect, and John Carden Campbell.

Continued on page 246

YOUR *Dream* KITCHEN



12 COLORS!

Choose from a breathtaking rainbow of sun-lit colors, pastel hues and striking harmonies of two or more colors . . . Make your kitchen a stunning room . . . chock-full of happy work saving details.

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Manufacturers of insulated products for over 50 years—Sales for Home and Office

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... send for this
new booklet

Five leading decorators show you how to select furniture and accessories for your favorite furniture style. Here is a new guide to home decorating that every housewife should have. Send the coupon today for your copy of "Planning and Decorating with Furniture."



modern is the keynote of this room decorated by Marion Quinlan, the noted interior decorator. This booklet shows this room in full color and describes its unusual accessories.

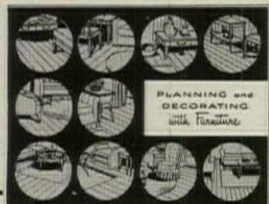


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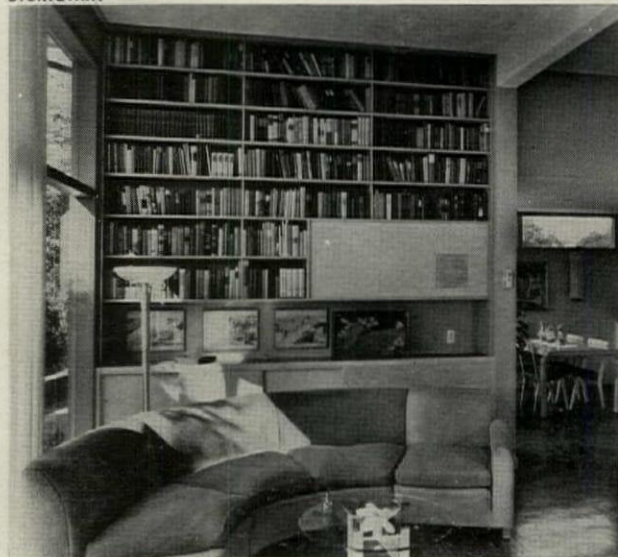
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GOOD STORAGE, continued from page 245

A radio is conveniently housed in the back of this desk which also serves as an end table for sofa-bed.



STURTEVANT



Bookshelf wall displays pictures in a paneled central shelf which divides lower storage cabinets from radio, record player, speaker, books. Architects, Bolton White & Jack Hermann.

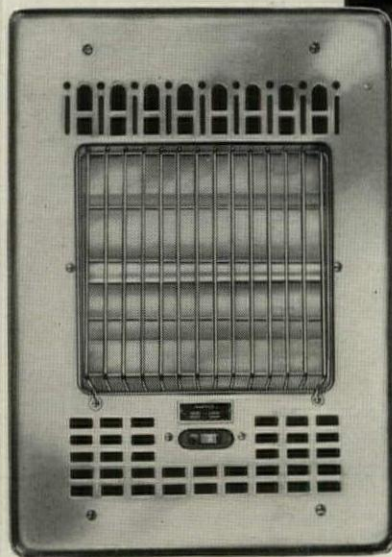
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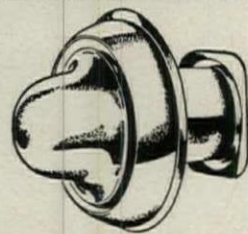
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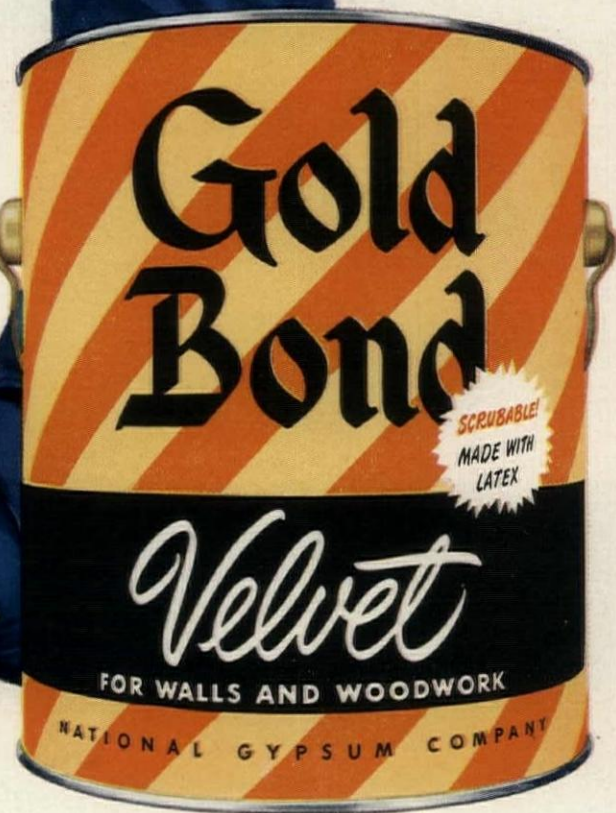
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